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400-860-0111



LOAD CELLS AND ACCESSORIES

AVIATION INDUSTRY COOPERATION OF CHINA
ZHONGHANG ELECTRONIC MEASURING INSTRUMENTS CO., LTD.

Introduction of ZEMIC

ZEMIC, Zhonghang Electronic Measuring Instruments Co., Ltd. (Stock Name: ZEMIC; Stock Code: 300114), is holding by Aviation Industry of China (AVIC). ZEMIC is a diversified modern high-tech enterprise, specialized in electronic measuring instruments such as strain gages, strain gage based sensors, weighing indicators and software, testing and measuring system for aviation industry, precise electromechanical products, automobile safety and performance testing system, remote monitoring on driving exam systems and application in internet of things systems.

After more than 50 years developing, ZEMIC succeeded in achieving its' IPO and was listed on Shenzhen Stock Exchange on 27th, August, 2010, and became the first listed company in China Weighing Industry. Meanwhile ZEMIC started its expansion in worldwide distribution, and put more emphasis on improving its core competitiveness, to gain rapid development based on its capital operation. ZEMIC dedicates on fulfilling the ideology of Measuring Excellence Worldwide, and becoming a top supplier in testing, measuring and controlling solution.

ZEMIC



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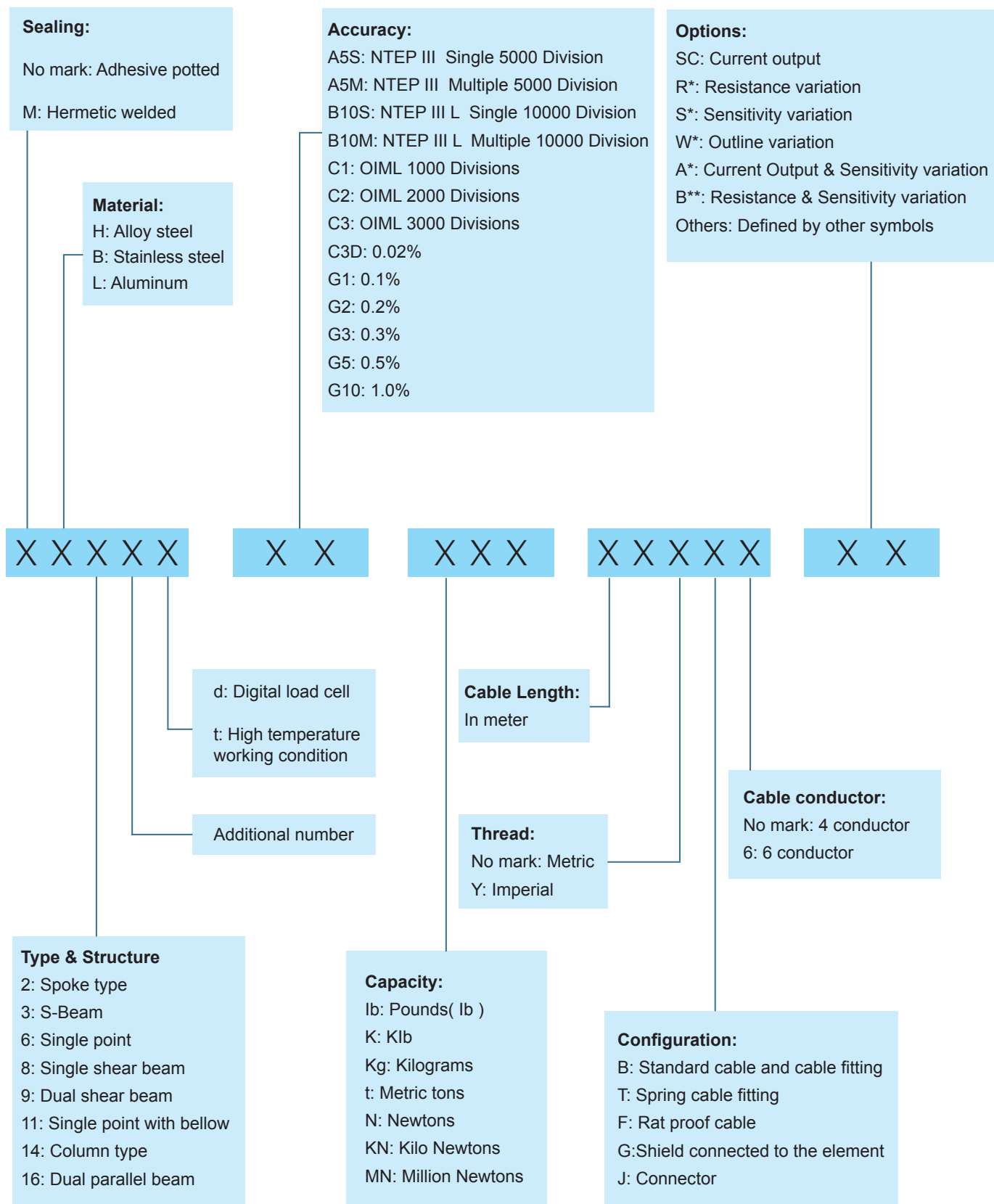
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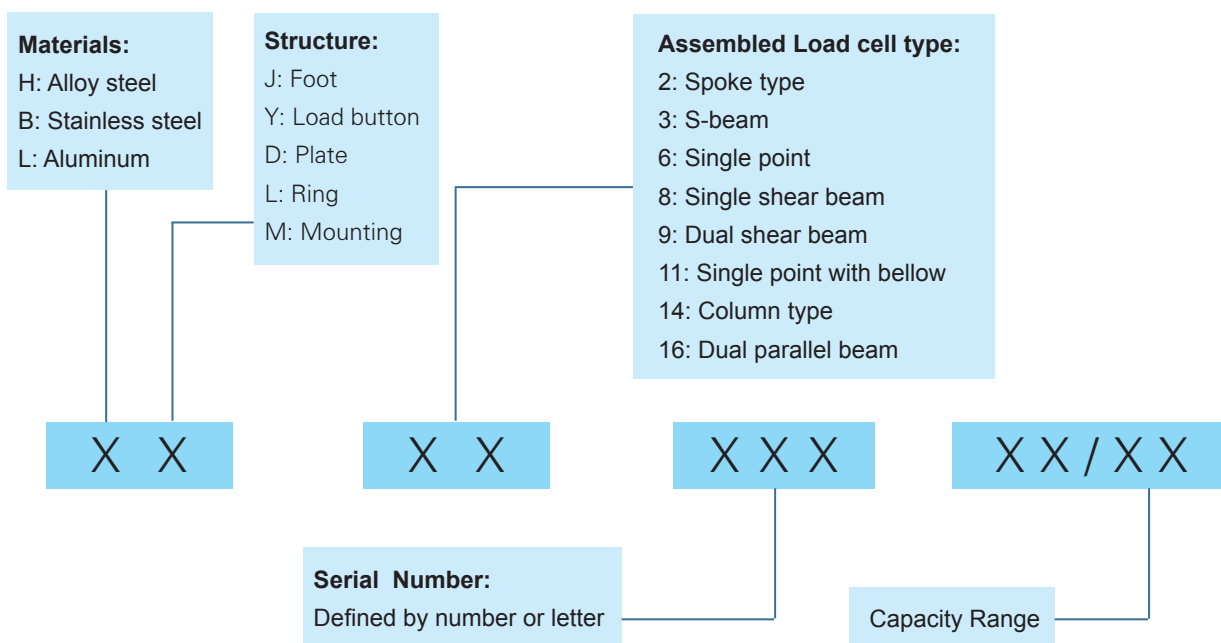
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Naming System of Load Cell/ Force Transducers



Naming System of Weighing Assembly

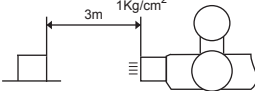
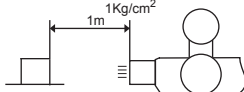
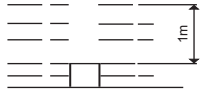


Load Cell Ingress Protection (according to EN 60529)

Reference to National Standard of the Cover Protection Class System(P. R. C)

Equal to IEC529 Standard(International Electrotechnical Commission)

IP - 6 - ☐

Class	Protection Level		Experimental Method	ZEMIC Achieved Ingress Protection (according to EN 60529)
	Description	Meanings		
5	Watersprinkle proof	Not be affected by the water-sprinkle from any directions in a short time	 Continually spray water from any directions more than 15 minutes	Adhesive sealed common load cells could achieve
6	Watersprayed protection	Not be affected by the strong water-spray from any directions in a short time	 Continually spray water from any directions more than 15 minutes	Cover sealed inner adhesive protected load cells could achieve
7	Soggy Proof	Not be affected by inundating into water in a stated pressure and time	 Inundate into 1 meter deep water for 30 minutes	Cover(or bellow)welded, inner adhesive protected load cells could achieve. Besides of oil-proof, water proof, it also can proof the common corrosive gas and medium.
8	Diving Proof	Can dived into water for a long time	Decided individually	Special required load cells could be customized

Dust-proof(dust could not be introduced to the inner part.)

International protection



H2A

- Alloy steel IP67 compression load cell
- High accuracy
- Suitable for special measuring equipment



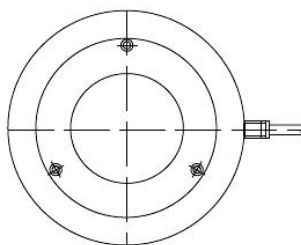
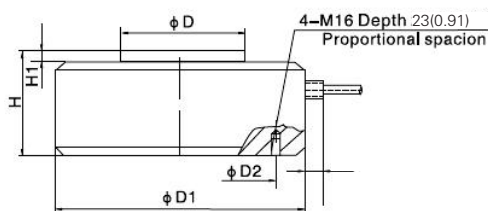
Available models

Capacity	Accuracy	Full article description
1 MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-1MN-5T
2 MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-2MN-5T
3 MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-3MN-5T
4 MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-4MN-5T
5 MN	G2/G3/G5/G10	H2A-G2/G3/G5/G10-5MN-5T

Specification

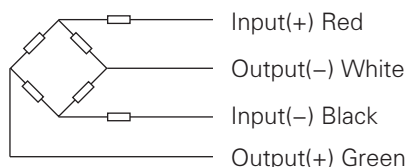
Accuracy class		G2	G3	G5	G10
Output sensitivity (= FS)	mV/V	± 2.0			
Maximum capacity (Emax)	MN	1, 2, 3, 4, 5			
Ratio of minimum LC verification interval $Y = E_{max} / v_{min}$		1500			
$Y = E_{max} / v_{min}$	%FS	± 0.2	± 0.3	± 0.5	± 1.0
1500	of Emax	0			
Safe overload	of Emax	150%			
Ultimate overload	of Emax	300%			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage	voltage	5~12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	1072 ± 5			
Terminal resistance, output	Ω	1050 ± 5			
Insulation impedance	M Ω	$\geq 5000(50VDC)$			
Temperature range, compensated	$^{\circ}C$	$-10 \sim +40$			
Temperature range, operating	$^{\circ}C$	$-35 \sim +65$			
Storage temperature	$^{\circ}C$	$-40 \sim +70$			
Element material		Alloy steel (surface bluing treatment,spray painted)			
Ingress Protection (according to EN 60529)		IP67			
Recommended torque on fixation	N.m	M16: 200			

Dimensions in mm



Capacity	1	2	3	4	5
Dimension					
D	41 (1.61)	60 (2.36)	73 (2.87)	92 (3.62)	115 (4.53)
D1	260 (10.24)	290 (11.42)	330 (12.99)	400 (15.75)	400 (15.75)
D2	200 (7.87)	225 (8.86)	251 (9.88)	296 (11.65)	307 (12.09)
H	80 (3.15)	104 (4.09)	123 (4.84)	132 (5.20)	132 (5.20)
H1	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)	10 (0.39)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 5mm$
- Standard cable length: 5m
- Shield not connected to element

H2D



- Alloy steel IP67 compression load cell
- Nickel plated
- Suitable for hopper and platform scales and other electronic devices
- Low profile

Available models		
Capacity	Accuracy	Full article description
5 t	C2	H2D-C2-5t-5J
10 t	C2	H2D-C2-10t-5J
20 t	C2	H2D-C2-20t-10J

Specification

Accuracy class		C2
Output sensitivity (= FS)	mV/V	2.0 ± 0.008
Maximum capacity (Emax)	t	5, 10, 20
Maximum number of load cell intervals (nLC)		2000
Ratio of minimum LC verification interval Y = Emax / vmin		5000
Combined error	%FS	± 0.0230
Safe overload	of Emax	150
Ultimate overload	of Emax	300
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	750 ± 10
Terminal resistance, output	Ω	700 ± 7
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Element material		Nickel plated alloy steel
Ingress Protection (according to EN 60529)		IP67

Dimensions in mm

	Dimension (mm)					
	Capacity(t)	L	D	D1	M	H
	5	83 (3.27)	128 (5.04)	45 (1.77)	M24 × 2	8 (0.31)
	10	150 (5.91)	160 (6.03)	60 (2.36)	M39 × 2	30 (1.18)
	20	220 (8.66)	200 (7.87)	80 (3.15)	M60 × 2	60 (2.36)

Wiring

Input(+) Red	• Shielded, 4 conductor cable: Φ5mm • Standard cable length: 5m(5t,10t), 10m(20t) • Cable type and cable length for customer's own application are available on request. • Shield not connected to element.
Output(-) White	
Input(-) Black	
Output(+) Green	

HM2D4

- Nickel plated alloy steel IP68 spoke type load cell
- Tension and compression applications
- Suitable for truck scales, hopper scales, automobile testing facilities and other electronic weighing or force measuring field.



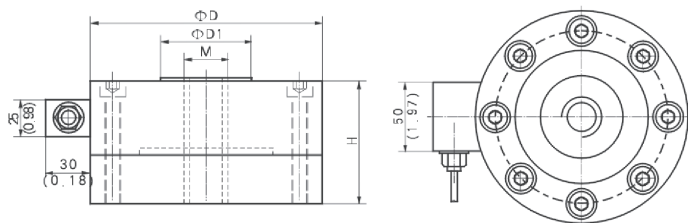
Available models

Capacity	Accuracy	Full article description
0.5t~10t	C3	HM2D4-C3-xxt-5B6
20t	G1	HM2D4-G1-20t-5B6
50t	G3	HM2D4-G3-50t-5B6

Specification

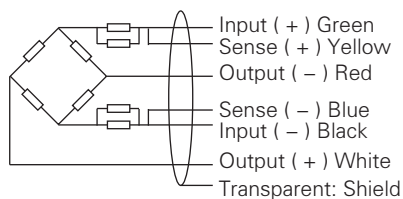
Accuracy class		C3	G1	G3
Maximum capacity (Emax)	t	0.5/1/2/3/5/10	20	50
Maximum number of load cell intervals (nLC)	vmin	Emax/ 7500		
Combined error	%FS	0.02	0.1	0.3
Creep	%FS/30min	± 0.016	± 0.05	± 0.1
Temperature effect on sensitivity	%FS/10℃	± 0.011	± 0.1	± 0.2
Temperature effect on zero	%FS/10℃	± 0.019	± 0.1	± 0.2
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000(50VDC)		
Zero balance	%FS	0~1.0		
Temperature, compensated	℃	-10~+40		
Temperature range, operating	℃	-35~+70		
Excitation, recommended voltage	V	5~12(DC)		
Excitation maximum	V	18(DC)		
Safe overload	of Emax	150		
Ultimate overload	of Emax	300		

Dimensions in mm



Capacity \ Dimension	D	D1	H	M
0.5t~2t	105 (4.13)	28 (1.10)	70 (2.76)	M14 × 2
3t, 5t	120 (4.72)	33 (1.3)	80 (3.15)	M20 × 1.5
10t, 20t	155 (6.10)	60.5 (2.38)	90 (3.54)	M32 × 2
50t	200 (7.87)	75 (2.95)	120 (4.72)	M45 × 3

Wiring



- Shielded, 6 conductor cable: Φ5.6mm
- Standard cable length: 5m

H2F



- Nickel plated alloy steel IP67 compression load cell
- High accuracy
- Suitable for hanging, hopper and other electronic weighing devices

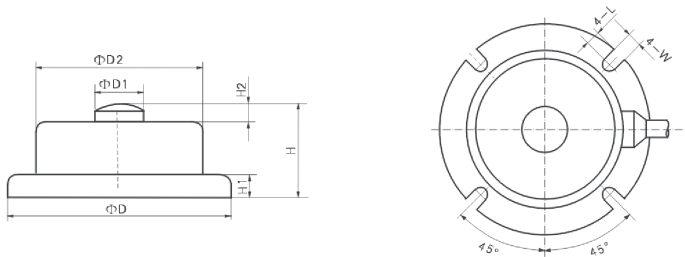
Available models

Capacity	Accuracy	Full article description
1 t	C3	H2F-C1/C2-1t-3T6
2 t	C3	H2F-C1/C2-2t-3T6
3 t	C3	H2F-C1/C2-3t-3T6
5 t	C2	H2F-C1/C2-5t-4T6
10 t	C2	H2F-C1/C2-10t-4T6
15 t	C1	H2F-C1/C2-15t-5T6
20 t	C1	H2F-C1/C2-20t-5T6
30 t	C1	H2F-C1/C2-30t-5T6
50 t	C1	H2F-C1/C2-50t-5T6

Specification

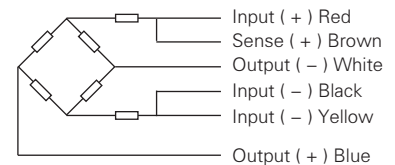
Accuracy class		C1	C2	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.01		
Maximum capacity (Emax)	t	1, 2, 3, 5, 10, 15, 20, 30, 50		
Maximum number of load cell intervals (nLC)		1000	2000	3000
Ratio of minimum LC verification interval Y = Emax / vmin		3000	5000	7500
Combined error	%FS	± 0.050	± 0.030	± 0.020
Minimum dead load	of Emax	0		
Safe overload	of Emax	150%		
Ultimate overload	of Emax	300%		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5~12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	770 ± 30		
Terminal resistance, output	Ω	700 ± 5		
Insulation impedance	MΩ	≥ 5000(at 50VDC)		
Temperature, compensated	°C	-10~+40		
Temperature range, operating	°C	-35~+65		
Storage temperature	°C	-40 ~ +70		
Element material		Alloy steel		
Ingress Protection (according to EN 60529)		IP67		
Recommended torque on fixation	N.m	M8:25	M10:50	M12:75

Dimensions in mm



Dimension Capacity(t)	D	D1	D2	H	H 1	H2	L	W
0.5, 1	115 (4.53)	22 (0.87)	86 (3.39)	43 (1.69)	12 (0.47)	5 (0.2)	8 (0.31)	8.4 (0.33)
2	120 (4.72)	26 (1.02)	90 (3.54)	45 (1.77)	12 (0.47)	5 (0.2)	8 (0.31)	8.4 (0.33)
3	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
5	128 (5.04)	20 (0.79)	100 (3.94)	46 (1.81)	8 (0.31)	5 (0.2)	7 (0.28)	10.4 (0.41)
10	160 (6.3)	40 (1.57)	120 (4.72)	63 (2.48)	15 (0.59)	10 (0.39)	10 (0.39)	10.4 (0.41)
15	194 (7.64)	42 (1.65)	154 (6.06)	68 (2.68)	20 (0.79)	10 (0.39)	12 (0.47)	12.4 (0.49)
20	220 (8.66)	44 (1.73)	170 (6.69)	73 (2.87)	22 (0.87)	10 (0.39)	12 (0.47)	12.4 (0.49)
30	230 (9.06)	48 (1.89)	188 (7.4)	78 (3.07)	25 (0.98)	10 (0.39)	12 (0.47)	12.4 (0.49)
50	264 (10.39)	52 (2.05)	214 (8.43)	90 (3.54)	30 (1.18)	10 (0.39)	12 (0.47)	12.4 (0.49)

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length for 1t – 3t: 3m, for 5t – 10t: 4m and for 15t – 50t: 5m.
- Shield not connected to element.

Accessories

HM-2-401



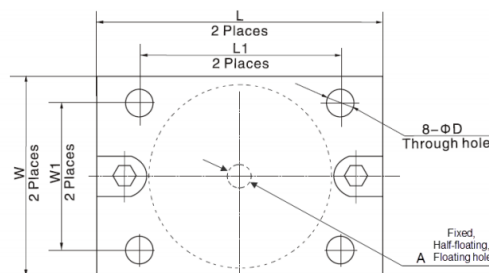
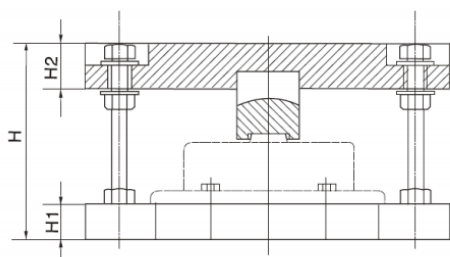
Short description

- Anti-reversal ability
- Easy installation
- Nickel plated alloy steel
- Self-aligning ability
- Can be used with Load Cell models: H2F
- Available in fixed, half-floating and floating version

Available models

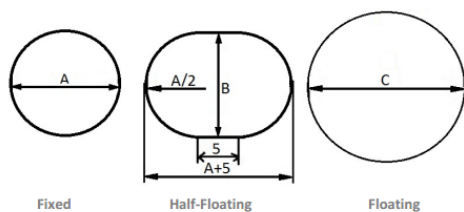
Model	Capacity	Part number
HM-2-401	1t	HM-2-401-1t(Fixed)
	2t	HM-2-401-2t(Fixed)
	3t	HM-2-401-3t(Fixed)
	5t	HM-2-401-5t(Fixed)
	10t	HM-2-401-10t(Fixed)
	15t	HM-2-401-15t(Fixed)
	20t	HM-2-401-20t(Fixed)
	30t	HM-2-401-30t(Fixed)
	50t	HM-2-401-50t(Fixed)

Dimensions in mm



Dimension Capacity	H	H1	H2	L	L1	W	W1	D
1t-5t	112 (4.41)	20 (0.79)	27 (1.06)	228 (8.98)	168 (6.61)	170 (6.69)	110 (4.33)	17.5 (0.69)
10t	143 (5.63)	25 (0.98)	31 (1.22)	260 (10.24)	200 (7.87)	200 (7.87)	140 (5.51)	20 (0.79)
15t	163 (6.42)	30 (1.18)	37 (1.46)	294 (11.57)	234 (9.21)	234 (9.21)	174 (6.85)	20 (0.79)
20t	173 (6.81)	30 (1.18)	37 (1.46)	320 (12.6)	260 (10.24)	260 (10.24)	200 (7.87)	20 (0.79)
30t	200 (7.87)	35 (1.38)	47 (1.85)	330 (12.99)	270 (10.63)	270 (10.63)	210 (8.27)	23 (0.91)
50t	225 (8.86)	40 (1.57)	55 (2.17)	364 (14.33)	294 (11.57)	294 (11.57)	224 (8.82)	27 (1.06)

Fixed, half-floating, floating hole & mount positioning

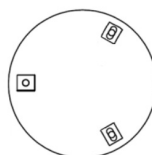


Dimension(mm)	A	B	C
1t	35.6	35.6	40.6
2t	41.6	41.6	46.6
3t	35.6	35.6	40.6
5t	37.6	37.6	42.6
10t	57.6	57.6	62.6
15t	59.5	59.5	64.5
20t	61.5	61.5	66.5
30t	69	69	74
50t	73	73	78



Fixed Half floating Floating

Mount positioning samples



During installation you have to make sure that the top-plate can move freely.

The space between the top-plate and lift-off protection bolt head, and nut below should be sufficient to let the top-plate move freely. 3mm is the recommended space.

B3G



- Stainless steel IP67 “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions
- OIML test certificate no. D09-06.07
- OIML C of C no. R60/2000-CNI-06.02
- NTEP certificate no. 06-099A1

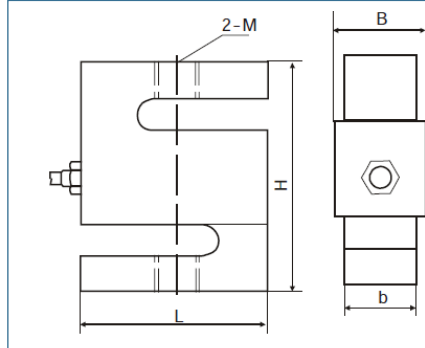
Available models

Capacity	Accuracy	Full article description
50 kg	C3	B3G-C3-50kg-6B
100 kg	C3	B3G-C3-100kg-6B
250 kg	C3	B3G-C3-250kg-6B
500 kg	C3	B3G-C3-500kg-6B
1.0 t	C3	B3G-C3-1.0t-6B
2.5 t	C3	B3G-C3-2.5t-6B
5.0 t	C3	B3G-C3-5.0t-6B
7.5 t	C3	B3G-C3-7.5t-6B
10 t	C3	B3G-C3-10.0t-6B

Specification

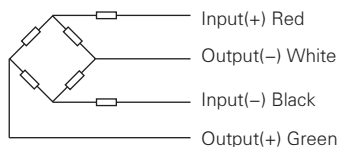
Accuracy class		OIML R60 C3			
Output sensitivity (= FS)	mV/V	3.0 ± 0.008			
Maximum capacity (Emax)	t	0.05/0.1	0.25/0.5/1/2.5		5/7.5/10
Maximum number of load cell intervals (nLC)		3000			
Ratio of minimum LC verification interval Y = Emax / vmin		7000	10000		12000
Combined error	%FS	± 0.0200			
Minimum dead load	kg	0			
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	430 ± 50			
Terminal resistance, output	Ω	351 ± 2			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	°C	-10 ~ +40			
Temperature range, operating	°C	-35 ~ +65			
Storage temperature	°C	-40 ~ +70			
Element material		Stainless steel			
Ingress Protection (according to EN 60529)		IP67			
Recommended torque on fixation	N.m	M8:25	M12:75	M20:450	M24:750 M30:1450
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4	

Dimensions in mm



Capacity	Dimension (mm)	L	H	b	B	M
0.05t, 0.1t		50.8 (2.0)	60.96 (2.4)	11.68 (0.46)	15.06 (0.59)	M8
0.25t, 0.5t		50.8 (2.0)	60.96 (2.4)	18.03 (0.71)	21.4 (0.84)	M12
1t (2, 2.5klb)		50.8 (2.0)	60.96 (2.4)	24.38 (0.96)	27.76 (1.09)	M12
2.5t (3klb)		76.2 (3.0)	99.06 (3.9)	24.38 (0.96)	27.76 (1.09)	M20 x 1.5
5klb		74.68 (2.94)	99.06 (3.9)	30.74 (1.21)	34.12 (1.34)	M20 x 1.5
5t (10klb)		87.38 (3.44)	139.7 (5.5)	37.08 (1.46)	40.46 (1.59)	M24 x 2
7.5t (15klb)		112.78 (4.44)	177.8 (7.0)	42.93 (1.69)	46.31 (1.82)	M30 x 2

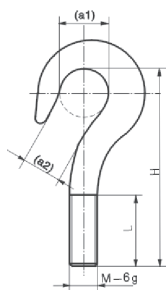
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 5\text{mm}$
- Standard cable length: 6m
- Shield not connected to element

Accessories

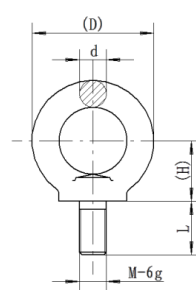
HL-3-001



Capacity	Part number
50kg,100kg	HL-3-001-25/50kg
250kg	HL-3-001-200/300kg
500kg	HL-3-001-500/750kg
1.0t	HL-3-001-1/1.5t
2.5t	HL-3-001-2/3t
5.0t	HL-3-001-5t

Capacity	a1	a2	H	M × P × L	Lifting Weight
50kg,100kg	25	20	97.5	M8 × 1.25 × 24	0.25t
250kg	28	22	106	M12 × 1.75 × 28	0.4t
500kg	34	27	135.5	M12 × 1.75 × 28	0.8t
1.0t	40	32	152.5	M12 × 1.75 × 28	1.6t
2.5t	48	38	183	M20 × 1.5 × 35	3.2t
5.0t	56	45	221	M20 × 1.5 × 35	6.3t

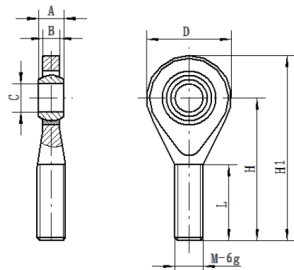
HL-3-002



Capacity	Part number
25kg-100kg	HL-3-002-25/50kg
150kg-250kg	HL-3-002-200/300kg
500kg	HL-3-002-500/750kg
1t	HL-3-002-1/1.5t
2.5t	HL-3-002-2/3t
5t	HL-3-002-5t

Capacity	H	D	d	M × P × L	Lifting Weight
25kg-100kg	18 (0.71)	36 (1.42)	9.1 (0.36)	M8 × 1.25 × 16	0.16t
150kg-250kg	26 (1.02)	52 (2.05)	13.1 (0.52)	M12 × 1.75 × 22	0.4t
500kg	31 (1.22)	62 (2.44)	15.2 (0.60)	M12 × 1.75 × 22	1.0t
1t	36 (1.42)	72 (2.83)	17.4 (0.69)	M12 × 1.75 × 22	1.6t
2.5t	53 (2.09)	104 (4.09)	25.7 (1.01)	M20 × 1.5 × 35	4.0t
5t	63 (2.48)	123 (4.84)	30 (1.18)	M20 × 1.5 × 35	6.3t

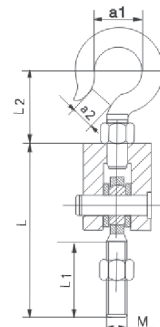
HL-3-003



Capacity	Part number
25kg-100kg	HL-3-003-25/50kg
150kg-1.0t	HL-3-003-200kg/1.0t
2.5t	HL-3-003-2/3t
5t	HL-3-003-5t

Capacity	H	A	B	C	D	H1	M × L	Lifting weight
25kg-100kg	42 (1.65)	8 (0.31)	6.5 (0.26)	8 (0.31)	25 (0.98)	56 (2.20)	M8 × 1.25 × 21	0.55t
150kg-1.0t	54 (2.13)	10 (0.39)	8.5 (0.33)	12 (0.47)	35 (1.38)	73 (2.87)	M12 × 1.75 × 28	1.08t
2.5t	78 (3.07)	16 (0.63)	13.5 (0.53)	20 (0.79)	54 (2.13)	107 (4.21)	M20 × 1.5 × 43	3.0t
5t	89 (3.5)	22 (0.87)	20 (0.79)	30 (1.18)	75 (2.95)	128 (5.04)	M20 × 1.5 × 43	6.0t

HL-3-004



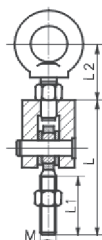
Capacity	Part number
25kg-100kg	HL-3-004-25/50kg
150kg-250kg	HL-3-004-200/300kg
500kg	HL-3-004-500/750kg
1t	HL-3-004-1t
2.5t	HL-3-004-2/3t
5t	HL-3-004-5t

Capacity	a1	a2	L	L1	L2	M × P	Lifting weight
25kg-100kg	25 (0.98)	20 (0.79)	77 (3.03)	21 (0.83)	65 (2.56)	M8 × 1.25	0.25t
150kg-250kg	28 (1.10)	22 (0.87)	89 (3.50)	28 (1.10)	77 (3.03)	M12 × 1.75	0.4t
500kg	34 (1.34)	27 (1.06)	89 (3.50)	28 (1.10)	103.5 (4.07)	M12 × 1.75	0.8t
1t	40 (1.57)	32 (1.26)	89 (3.50)	28 (1.10)	117.5 (4.63)	M12 × 1.75	1.08t
2.5t	48 (1.89)	38 (1.5)	133 (5.24)	43 (1.69)	134 (5.28)	M20 × 1.5	3.0t
5t	56 (2.20)	45 (1.77)	149 (5.87)	43 (1.69)	173 (6.81)	M20 × 1.5	6.0t

HL-3-005



Capacity	Part number
25kg-100kg	HL-3-005-25/50kg
150kg-250kg	HL-3-005-200/300kg
500kg	HL-3-005-500/750kg
1t	HL-3-005-1t
2.5t	HL-3-005-2/3t
5t	HL-3-005-5t



Capacity	L	L1	L2	M × P	Lifting weight
25kg-100kg	77 (3.03)	21 (0.83)	22 (0.87)	M8 × 1.25	0.16t
150kg-250kg	89 (3.50)	28 (1.10)	33 (1.3)	M12 × 1.75	0.4t
500kg	89 (3.50)	28 (1.10)	38 (1.5)	M12 × 1.75	1.0t
1t	89 (3.50)	28 (1.10)	43 (1.7)	M12 × 1.75	1.08t
2.5t	133 (5.24)	43 (1.69)	63 (2.48)	M20 × 1.5	3.0t
5t	149 (5.87)	43 (1.69)	78 (3.07)	M20 × 1.5	6.0t

Features : Matched with S type load cells,suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.

BM3



test certificate no. D09-08.01 C of C no R60/2000-DE1-10.08



Certificate no. 06-099A1

- Stainless steel IP68 “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices

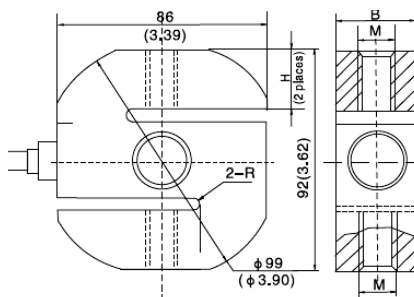
Available models

Capacity	Accuracy	Full article description
50 kg	C3	BM3-C3-50kg-6B
100 kg	C3	BM3-C3-100kg-6B
150 kg	C3	BM3-C3-150kg-6B
200 kg	C3	BM3-C3-200kg-6B
250 kg	C3	BM3-C3-250kg-6B
500 kg	C3	BM3-C3-500kg-6B
1.0 t	C3	BM3-C3-1.0t-6B
2.0 t	C3	BM3-C3-2.0t-6B
3.0 t	C3	BM3-C3-3.0t-6B
4.0 t	C3	BM3-C3-4.0t-6B
5.0 t	C3	BM3-C3-5.0t-6B
6.0 t	C3	BM3-C3-6.0t-6B
7.5 t	C3	BM3-C3-7.5t-6B

Specification

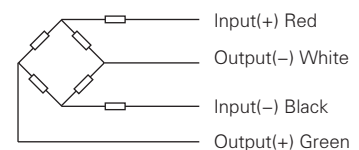
Accuracy class		OIML R60 C3		
Output sensitivity (= FS)	mV/V	2.0 ± 0.004		
Maximum capacity (Emax)	t	0.5, 1, 2, 2.5, 3, 4, 5, 6, 7.5		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = Emax / vmin		7500	12000	
Combined error	%FS	± 0.02		
Minimum dead load	kg	0		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.5		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~+40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +80		
Element material		Stainless steel		
Ingress Protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm



Capacity(t)	0.5t,1t	2t,2.5t,3t	4t	5t,6t,7.5t
Dimension				
W	32 (1.26)	32 (1.26)	36 (1.42)	50 (1.97)
H	25 (0.98)	25 (0.98)	25 (0.98)	26 (1.02)
M	M12 x 1.75	M20 x 1.5	M20 x 1.5	M24 x 2

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length for 500kg: 3m and for all other capacities: 6m.
- Shield not connected to element

H3

- Nickel plated alloy steel
- IP67 "S" type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions

Available models

Capacity	Accuracy	Full article description
25kg	C3 Excluded from OIML	H3-C3-25kg-3B
50kg	C3 Excluded from OIML	H3-C3-50kg-3B
100kg	C3/C4	H3-C3/C4-100kg-3B
150kg	C3/C4	H3-C3/C4-150kg-3B
200kg	C3/C4	H3-C3/C4-200kg-3B
250kg	C3/C4	H3-C3/C4-250kg-3B
300kg	C3/C4	H3-C3/C4-300kg-3B
500kg	C3/C4	H3-C3/C4-500kg-3B
600kg	C3/C4	H3-C3/C4-600kg-3B
750kg	C3/C4	H3-C3/C4-750kg-3B
1t	C3/C4	H3-C3/C4-1t-3B
1.5t	C3/C4	H3-C3/C4-1.5t-3B
2t	C3/C4	H3-C3/C4-2t-3B
2.5t	C3/C4	H3-C3/C4-2.5t-3B
3t	C3 Excluded from OIML	H3-C3-3t-3B
5t	C3 Excluded from OIML	H3-C3-5t-3B
7.5t	C3 Excluded from OIML	H3-C3-7.5t-3B
10t	C3 Excluded from OIML	H3-C3-10t-3B
15t	C3 Excluded from OIML	H3-C3-15t-3B
20t	C3 Excluded from OIML	H3-C3-20t-3B
30t	C3 Excluded from OIML	H3-C3-30t-3B



test certificate no. D09-03.18 Revision 2
C of C no R60/2000-CNI-00.01

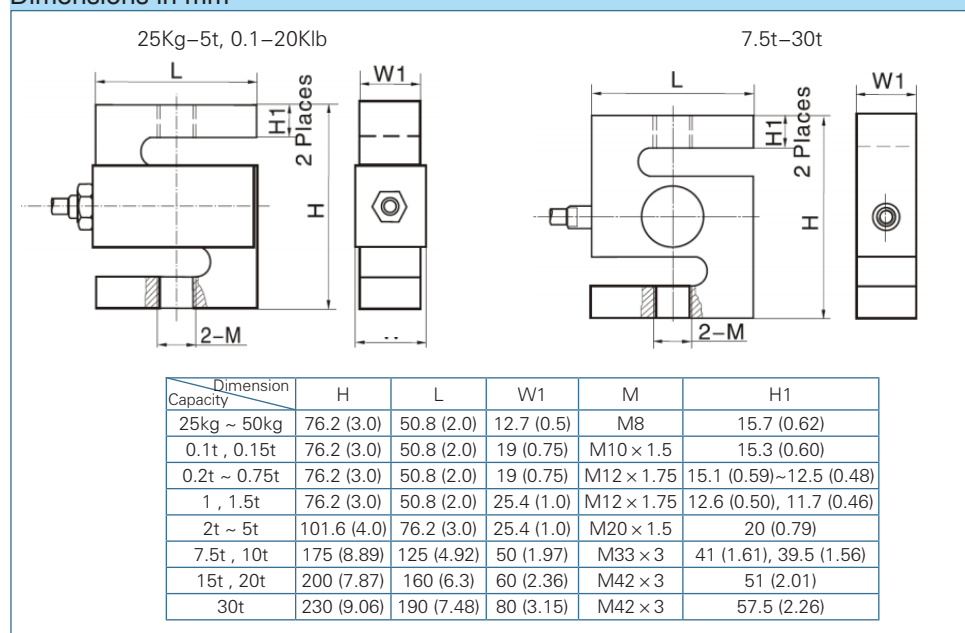


Certificate no. 06-099A1

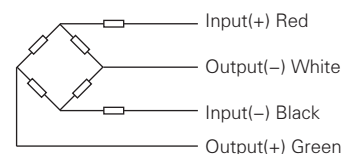
Specification

Accuracy class		OIML R60 C3	OIML R60 C4	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.004		
Maximum capacity (Emax)	t	0.1, 0.15, 0.2, 0.3, 0.5, 0.6, 0.75, 1.0, 1.5, 2.0, 2.5, 3.0, 5.0, 7.5, 10, 15, 20, 30		
Maximum number of load cell intervals (nLC)		3000	4000	3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	20000	10000
Combined error	%FS	± 0.020	± 0.018	± 0.020
Minimum dead load	kg	0		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.5		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	351 ± 2.0		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Nickel plated alloy steel		
Ingress Protection (according to EN 60529)		IP67		
Recommended torque on fixation	N.m	M8:25 M10: 50	M12:75 M20:450 M33:750 M42:1450	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm



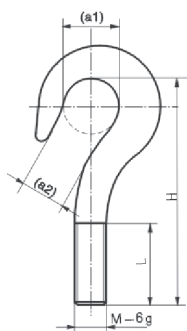
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length for 25kg – 1.5t: 3m and for 2t – 30t: 6m.
- Shield not connected to element.

Accessories

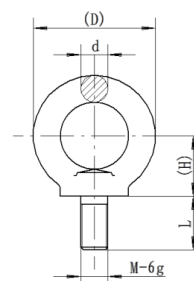
HL-3-001



Capacity	Part number
25kg-50kg	HL-3-001-25/50kg
100kg-150kg	HL-3-001-100/150kg
200kg-300kg	HL-3-001-200/300kg
500kg-750kg	HL-3-001-500/750kg
1t-1.5t	HL-3-001-1/1.5t
2t-3t	HL-3-001-2/3t
5t	HL-3-001-5t

Capacity	a1	a2	H	M×P×L	Lifting weight
25kg-50kg	25 (0.98)	20 (0.79)	97.5 (3.84)	M8×1.25×24	0.25t
100kg-150kg	25 (0.98)	20 (0.79)	97.5 (3.84)	M10×1.5×26	0.25t
200kg-300kg	28 (0.98)	22 (0.87)	106 (4.17)	M12×1.75×28	0.4t
500kg-750kg	34 (1.34)	27 (1.06)	135.5 (5.33)	M12×1.75×28	0.8t
1t-1.5t	40 (1.57)	32 (1.26)	152.5 (6.0)	M12×1.75×28	1.6t
2t-3t	48 (1.89)	38 (1.5)	183 (7.2)	M20×1.5×35	3.2t
5t	56 (2.2)	45 (1.77)	221 (8.7)	M20×1.5×35	6.3t

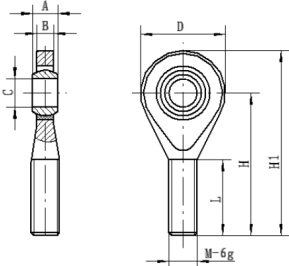
HL-3-002



Capacity	Part number
25kg-50kg	HL-3-002-25/50kg
100kg-150kg	HL-3-002-100/150kg
200kg-300kg	HL-3-002-200/300kg
500kg-750kg	HL-3-002-500/750kg
1t-1.5t	HL-3-002-1/1.5t
2t-3t	HL-3-002-2/3t
5t	HL-3-002-5t

Capacity	H	D	d	M×P×L	Lifting weight
25kg-50kg	18 (0.71)	36 (1.42)	9.1 (0.36)	M8×1.25×16	0.16t
100kg-150kg	22 (0.87)	44 (1.73)	11.1 (0.44)	M10×1.5×20	0.25t
200kg-300kg	26 (1.02)	52 (2.05)	13.1 (0.52)	M12×1.75×22	0.4t
500kg-750kg	31 (1.22)	62 (2.44)	15.2 (0.60)	M12×1.75×22	1.0t
1t-1.5t	36 (1.42)	72 (2.83)	17.4 (0.69)	M12×1.75×22	1.6t
2t-3t	53 (2.09)	104 (4.09)	25.7 (1.01)	M20×1.5×35	4.0t
5t	63 (2.48)	123 (4.84)	30 (1.18)	M20×1.5×35	6.3t

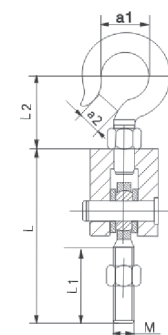
HL-3-003



Capacity	Part number
25kg-50kg	HL-3-003-25/50kg
100kg-150kg	HL-3-003-100/150kg
200kg-1.0t	HL-3-003-200kg/1.0t
1.5t	HL-3-003-1.5t
2t-3t	HL-3-003-2/3t
5t	HL-3-003-5t

Capacity	H	A	B	C	D	H1	M×P×L	Lifting weight
25kg-50kg	42 (1.65)	8 (0.31)	6.5 (0.26)	8 (0.31)	25 (0.98)	56 (2.20)	M8×1.25×21	0.55t
100kg-150kg	48 (1.89)	9 (0.35)	7.5 (0.30)	10 (0.39)	30 (1.18)	65 (2.56)	M10×1.5×26	0.81t
200kg-1.0t	54 (2.13)	10 (0.39)	8.5 (0.33)	12 (0.47)	35 (1.38)	73 (2.87)	M12×1.75×28	1.08t
1.5t	63 (2.48)	16 (0.63)	13.5 (0.53)	20 (0.79)	54 (2.13)	92 (3.62)	M12×1.75×28	3.0t
2t-3t	78 (3.07)	16 (0.63)	13.5 (0.53)	20 (0.79)	54 (2.13)	107 (4.21)	M20×1.5×43	3.0t
5t	89 (3.5)	22 (0.87)	20 (0.79)	30 (1.18)	75 (2.95)	128 (5.04)	M20×1.5×43	6.0t

HL-3-004



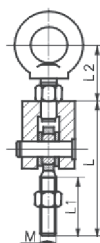
Capacity	Part number
25kg-50kg	HL-3-004-25/50kg
100kg-150kg	HL-3-004-100/150kg
200kg-300kg	HL-3-004-200/300kg
500kg-750kg	HL-3-004-500/750kg
1t	HL-3-004-1t
1.5t	HL-3-004-1.5t
2t-3t	HL-3-004-2/3t
5t	HL-3-004-5t

Capacity	a1	a2	L	L1	L2	M×P	Lifting weight
25kg-50kg	25 (0.98)	20 (0.79)	77 (3.03)	21 (0.83)	65 (2.56)	M8×1.25	0.25t
100kg-150kg	25 (0.98)	20 (0.79)	83 (3.27)	26 (1.02)	64 (2.52)	M10×1.5	0.25t
200kg-300kg	28 (1.10)	22 (0.87)	89 (3.50)	28 (1.10)	77 (3.03)	M12×1.75	0.4t
500kg-750kg	34 (1.34)	27 (1.06)	89 (3.50)	28 (1.10)	103.5 (4.07)	M12×1.75	0.8t
1t	40 (1.57)	32 (1.26)	89 (3.50)	28 (1.10)	117.5 (4.63)	M12×1.75	1.0t
1.5t	40 (1.57)	32 (1.26)	118 (4.65)	28 (1.10)	110.5 (4.35)	M12×1.75	1.6t
2t-3t	48 (1.89)	38 (1.5)	133 (5.24)	43 (1.69)	134 (5.28)	M20×1.5	3.0t
5t	56 (2.20)	45 (1.77)	149 (5.87)	43 (1.69)	173 (6.81)	M20×1.5	6.0t

HL-3-005



Capacity	Part number
25kg-50kg	HL-3-005-25/50kg
100kg-150kg	HL-3-005-100/150kg
200kg-300kg	HL-3-005-200/300kg
500kg-750kg	HL-3-005-500/750kg
1t	HL-3-005-1t
1.5t	HL-3-005-1.5t
2t-3t	HL-3-005-2/3t
5t	HL-3-005-5t



Capacity	L	L1	L2	M×P	Lifting weight
25kg-50kg	77 (3.03)	21 (0.83)	22 (0.87)	M8×1.25	0.16t
100kg-150kg	83 (3.27)	26 (1.02)	27 (1.06)	M10×1.5	0.25t
200kg-300kg	89 (3.50)	28 (1.10)	33 (1.3)	M12×1.75	0.4t
500kg-750kg	89 (3.50)	28 (1.10)	38 (1.5)	M12×1.75	1.0t
1t	89 (3.50)	28 (1.10)	43 (1.7)	M12×1.75	1.08t
1.5t	118 (4.65)	28 (1.10)	42 (1.65)	M12×1.75	1.6t
2t-3t	133 (5.24)	43 (1.69)	63 (2.48)	M20×1.5	3.0t
5t	149 (5.87)	43 (1.69)	78 (3.07)	M20×1.5	6.0t

Features : Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.

H3F

- Nickel plated alloy steel IP67 “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions

Available models

Capacity	Accuracy	Full article description
100kg	C3	H3F-C3-100kg-6T
250kg	C3	H3F-C3-250kg-6T
500kg	C3	H3F-C3-500kg-6T
750kg	C3	H3F-C3-750kg-6T
1t	C3	H3F-C3-1t-6T
1.5t	C3	H3F-C3-1.5t-6T
2t	C3	H3F-C3-2t-6T
2.5t	C3	H3F-C3-2.5t-6T
5t	C3	H3F-C3-5t-6T



Non OIML approved Certificate no. 06-099A1

Specification

Accuracy class		C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008
Maximum capacity (Emax)	t	0.1, 0.25, 0.5, 0.75, 1, 1.5, 2, 2.5, 5
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.020
Minimum dead load	of Emax	0
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Alloy steel
Ingress Protection (according to EN 60529)		IP67
Recommended torque on fixation	N.m	M10: 50 M12: 75 M18: 300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm

Dimensions in mm

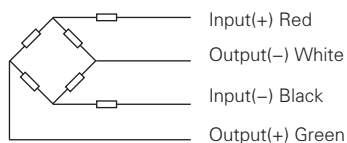
Technical drawings of the H3F load cell showing front and side views with dimensions.

Front View (Left): Shows the overall width W and the width of the top section $W1$.

Side View (Right): Shows the overall height H , the height of the top section $H1$ (labeled as 2 Places), the length L , and the mounting hole pattern $2-M-6H$.

Dimension Capacity	H	W	W1	L	H 1	M
(mm)						
100kg	76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	15.8	M10 × 1.5
250kg	76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	15.12	M12 × 1.75
500kg	76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	14.2	M12 × 1.75
750kg	76.2 (3.0)	25.4 (1.0)	19 (0.75)	50.8 (2.0)	13.46	M12 × 1.75
1t	76.2 (3.0)	31.8 (1.25)	25.4 (1.0)	50.8 (2.0)	13.24	M12 × 1.75
1.5t	76.2 (3.0)	31.8 (1.25)	25.4 (1.0)	50.8 (2.0)	11.82	M12 × 1.75
2t	108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	26.7	M18 × 1.5
2.5t	108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	25.48	M18 × 1.5
5t	108 (4.25)	31.8 (1.25)	25.4 (1.0)	76.2 (3.0)	20.26	M18 × 1.5

Wiring



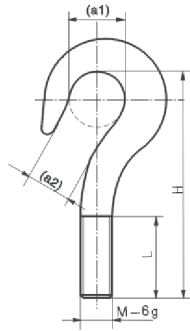
- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 6m.
- Shield not connected to element

Accessories

HL-3-001



Capacity	Part number
50kg-100kg	HL-3-001-100/150kg
250kg	HL-3-001-200/300kg
500kg-750kg	HL-3-001-500/750kg
1t-1.5t	HL-3-001-1/1.5t

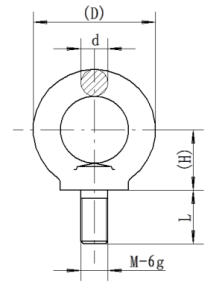


Capacity	a1	a2	H	M × P × L	Lifting weight
50kg-100kg	25 (0.98)	20 (0.79)	97.5 (3.84)	M10 × 1.5 × 26	0.25t
250kg	28 (0.98)	22 (0.87)	106 (4.17)	M12 × 1.75 × 28	0.4t
500kg-750kg	34 (1.34)	27 (1.06)	135.5 (5.33)	M12 × 1.75 × 28	0.8t
1t-1.5t	40 (1.57)	32 (1.26)	152.5 (6.0)	M12 × 1.75 × 28	1.6t

HL-3-002



Capacity	Part number
50kg-100kg	HL-3-002-100/150kg
250kg	HL-3-002-200/300kg
500kg-750kg	HL-3-002-500/750kg
1t-1.5t	HL-3-002-1/1.5t

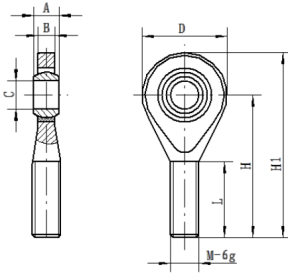


Capacity	H	D	d	M × P × L	Lifting weight
50kg-100kg	22 (0.87)	44 (1.73)	11.1 (0.44)	M10 × 1.5 × 20	0.25t
250kg	26 (1.02)	52 (2.05)	13.1 (0.52)	M12 × 1.75 × 22	0.4t
500kg-750kg	31 (1.22)	62 (2.44)	15.2 (0.60)	M12 × 1.75 × 22	1.0t
1t-1.5t	36 (1.42)	72 (2.83)	17.4 (0.69)	M12 × 1.75 × 22	1.6t

HL-3-003

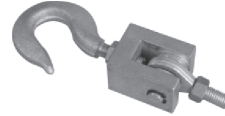


Capacity	Part number
50kg-100kg	HL-3-003-100/150kg
250kg-1.0t	HL-3-003-200kg/1.0t
1.5t	HL-3-003-1.5t

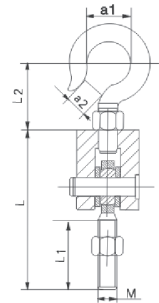


Capacity	H	A	B	C	D	H1	M × P × L	Lifting weight
50kg-100kg	48 (1.89)	9 (0.35)	7.5 (0.30)	10 (0.39)	30 (1.18)	65 (2.56)	M10 × 1.5 × 26	0.81t
250kg-1.0t	54 (2.13)	10 (0.39)	8.5 (0.33)	12 (0.47)	35 (1.38)	73 (2.87)	M12 × 1.75 × 28	1.08t
1.5t	63 (2.48)	16 (0.63)	13.5 (0.53)	20 (0.79)	54 (2.13)	92 (3.62)	M12 × 1.75 × 28	3.0t

HL-3-004



Capacity	Part number
50kg-100kg	HL-3-004-100/150kg
250kg	HL-3-004-200/300kg
500kg-750kg	HL-3-004-500/750kg
1t	HL-3-004-1t
1.5t	HL-3-004-1.5t

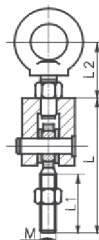


Capacity	a1	a2	L	L1	L2	M × P	Lifting weight
50kg-100kg	25 (0.98)	20 (0.79)	83 (3.27)	26 (1.02)	64 (2.52)	M10 × 1.5	0.25t
250kg	28 (1.10)	22 (0.87)	89 (3.50)	28 (1.10)	77 (3.03)	M12 × 1.75	0.4t
500kg-750kg	34 (1.34)	27 (1.06)	89 (3.50)	28 (1.10)	103.5 (4.07)	M12 × 1.75	0.8t
1t	40 (1.57)	32 (1.26)	89 (3.50)	28 (1.10)	117.5 (4.63)	M12 × 1.75	1.08t
1.5t	40 (1.57)	32 (1.26)	118 (4.65)	28 (1.10)	110.5 (4.35)	M12 × 1.75	1.6t

HL-3-005



Capacity	Part number
50kg-100kg	HL-3-005-100/150kg
250kg	HL-3-005-200/300kg
500kg-750kg	HL-3-005-500/750kg
1t	HL-3-005-1t
1.5t	HL-3-005-1.5t



Capacity	L	L1	L2	M × P	Lifting weight
50kg-100kg	83 (3.27)	26 (1.02)	27 (1.06)	M10 × 1.5	0.25t
250kg	89 (3.50)	28 (1.10)	33 (1.3)	M12 × 1.75	0.4t
500kg-750kg	89 (3.50)	28 (1.10)	38 (1.5)	M12 × 1.75	1.0t
1t	89 (3.50)	28 (1.10)	43 (1.7)	M12 × 1.75	1.08t
1.5t	118 (4.65)	28 (1.10)	42 (1.65)	M12 × 1.75	1.6t

Features : Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.

H3G

- Nickel plated alloy steel IP67 “S” type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions



Available models

Capacity	Accuracy	Full article description
50kg	C3	H3G-C3-50kg-6B
100kg	C3	H3G-C3-100kg-6B
200kg	C3	H3G-C3-200kg-6B
250kg	C3	H3G-C3-250kg-6B
500kg	C3 Excluded from OIML	H3G-C3-500kg-6B
1t	C3 Excluded from OIML	H3G-C3-1t-6B
2.5t	C3 Excluded from OIML	H3G-C3-2.5t-6B
5t	C3 Excluded from OIML	H3G-C3-5t-6B
7.5t	C3 Excluded from OIML	H3G-C3-7.5t-6B

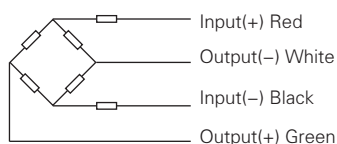
Specification

Accuracy class		OIML R60 C3	C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008	
Maximum capacity (Emax)	t	0.05, 0.1, 0.25	0.5, 1, 2.5, 5, 7.5
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		15000	14000
Combined error	%FS	± 0.020	
Minimum dead load	of Emax	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	430 ± 60	
Terminal resistance, output	Ω	351 ± 2.0	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP67	
Recommended torque on fixation	N.m	M8:25	M12:75 M20:450 M24:750
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm

Capacity	Dimension (mm)						
	L	H	H1	W1	W	H1	M
50-100kg	50.8 (2.0)	63.5 (2.5)	10.16 (0.4)	12.7 (0.5)	16.5 (0.66)	10.2 (0.40)	M8
250-500kg	50.8 (2.0)	63.5 (2.5)	10.16 (0.4)	19.05 (0.75)	22.8 (0.90)	10.2 (0.40)	M12
1t	50.8 (2.0)	63.5 (2.5)	10.16 (0.4)	25.4 (1.0)	29.2 (1.14)	10.2 (0.40)	M12
2.5t	76.2 (3.0)	101.6 (4.0)	15.2 (0.6)	25.4 (1.0)	29.2 (1.14)	15.2 (0.60)	M20 x 1.5
5t	76.2 (3.0)	101.6 (4.0)	20 (0.79)	25.4 (1.0)	29.2 (1.14)	20 (0.79)	M20 x 1.5
7.5t	101.6 (4.0)	139.7 (5.5)	30 (1.18)	31.75 (1.25)	35.5 (1.40)	31 (1.22)	M24 x 2

Wiring



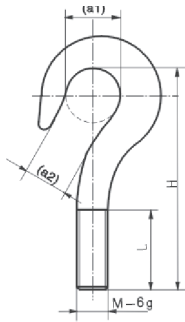
- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 6m.
- Shield not connected to element.

Accessories

HL-3-001



Capacity	Part number
50kg-100kg	HL-3-001-25/50kg
200kg-300kg	HL-3-001-200/300kg
500kg	HL-3-001-500/750kg
1t	HL-3-001-1/1.5t
2.5t	HL-3-001-2/3t
5t	HL-3-001-5t

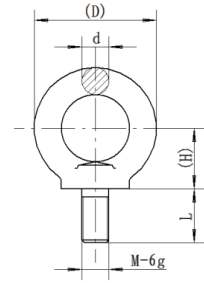


Capacity	a1	a2	H	M × P × L	Lifting weight
50kg-100kg	25 (0.98)	20 (0.79)	97.5 (3.84)	M8 × 1.25 × 24	0.25t
200kg-300kg	28 (0.98)	22 (0.87)	106 (4.17)	M12 × 1.75 × 28	0.4t
500kg	34 (1.34)	27 (1.06)	135.5 (5.33)	M12 × 1.75 × 28	0.8t
1t	40 (1.57)	32 (1.26)	152.5 (6.0)	M12 × 1.75 × 28	1.6t
2.5t	48 (1.89)	38 (1.5)	183 (7.2)	M20 × 1.5 × 35	3.2t
5t	56 (2.2)	45 (1.77)	221 (8.7)	M20 × 1.5 × 35	6.3t

HL-3-002



Capacity	Part number
50kg-100kg	HL-3-002-25/50kg
200kg-300kg	HL-3-002-200/300kg
500kg	HL-3-002-500/750kg
1t	HL-3-002-1/1.5t
2.5t	HL-3-002-2/3t
5t	HL-3-002-5t

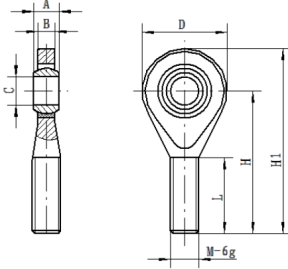


Capacity	H	D	d	M × P × L	Lifting weight
50kg-100kg	18 (0.71)	36 (1.42)	9.1 (0.36)	M8 × 1.25 × 16	0.16t
200kg-300kg	26 (1.02)	52 (2.05)	13.1 (0.52)	M12 × 1.75 × 22	0.4t
500kg	31 (1.22)	62 (2.44)	15.2 (0.60)	M12 × 1.75 × 22	1.0t
1t	36 (1.42)	72 (2.83)	17.4 (0.69)	M12 × 1.75 × 22	1.6t
2.5t	53 (2.09)	104 (4.09)	25.7 (1.01)	M20 × 1.5 × 35	4.0t
5t	63 (2.48)	123 (4.84)	30 (1.18)	M20 × 1.5 × 35	6.3t

HL-3-003



Capacity	Part number
50kg-100kg	HL-3-003-25/50kg
200kg-1.0t	HL-3-003-200kg/1.0t
2.5t	HL-3-003-2/3t
5t	HL-3-003-5t

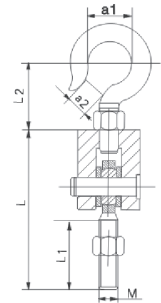


Capacity	H	A	B	C	D	H1	M × P × L	Lifting weight
50kg-100kg	42 (1.65)	8 (0.31)	6.5 (0.26)	8 (0.31)	25 (0.98)	56 (2.20)	M8 × 1.25 × 21	0.55t
200kg-1.0t	54 (2.13)	10 (0.39)	8.5 (0.33)	12 (0.47)	35 (1.38)	73 (2.87)	M12 × 1.75 × 28	1.08t
2.5t	78 (3.07)	16 (0.63)	13.5 (0.53)	20 (0.79)	54 (2.13)	107 (4.21)	M20 × 1.5 × 43	3.0t
5t	89 (3.5)	22 (0.87)	20 (0.79)	30 (1.18)	75 (2.95)	128 (5.04)	M20 × 1.5 × 43	6.0t

HL-3-004



Capacity	Part number
50kg-100kg	HL-3-004-25/50kg
200kg-300kg	HL-3-004-200/300kg
500kg	HL-3-004-500kg
1t	HL-3-004-1t
2.5t	HL-3-004-2/3t
5t	HL-3-004-5t

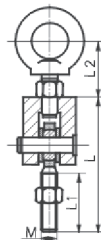


Capacity	a1	a2	L	L1	L2	M × P	Lifting weight
50kg-100kg	25 (0.98)	20 (0.79)	77 (3.03)	21 (0.83)	65 (2.56)	M8 × 1.25	0.25t
200kg-300kg	28 (1.10)	22 (0.87)	89 (3.50)	28 (1.10)	77 (3.03)	M12 × 1.75	0.4t
500kg	34 (1.34)	27 (1.06)	89 (3.50)	28 (1.10)	103.5 (4.07)	M12 × 1.75	0.8t
1t	40 (1.57)	32 (1.26)	89 (3.50)	28 (1.10)	117.5 (4.63)	M12 × 1.75	1.08t
2.5t	48 (1.89)	38 (1.5)	133 (5.24)	43 (1.69)	134 (5.28)	M20 × 1.5	3.0t
5t	56 (2.20)	45 (1.77)	149 (5.87)	43 (1.69)	173 (6.81)	M20 × 1.5	6.0t

HL-3-005



Capacity	Part number
50kg-100kg	HL-3-005-25/50kg
200kg-300kg	HL-3-005-200/300kg
500kg	HL-3-005-500/750kg
1t	HL-3-005-1t
2.5t	HL-3-005-2/3t
5t	HL-3-005-5t



Capacity	L	L1	L2	M × P	Lifting weight
50kg-100kg	77 (3.03)	21 (0.83)	22 (0.87)	M8 × 1.25	0.16t
200kg-300kg	89 (3.50)	28 (1.10)	33 (1.3)	M12 × 1.75	0.4t
500kg	89 (3.50)	28 (1.10)	38 (1.5)	M12 × 1.75	1.0t
1t	89 (3.50)	28 (1.10)	43 (1.7)	M12 × 1.75	1.08t
2.5t	133 (5.24)	43 (1.69)	63 (2.48)	M20 × 1.5	3.0t
5t	149 (5.87)	43 (1.69)	78 (3.07)	M20 × 1.5	6.0t

Features : Matched with S type load cells, suitable for hybrid scales, crane scales, packaging scales, hopper scales, and other electronic weighing devices.

L3V

- Spraying plastic surface aluminum alloy IP66 "S" type load cell
- Tension and compression applications
- Suitable for textile machinery measuring and other electronic measuring systems



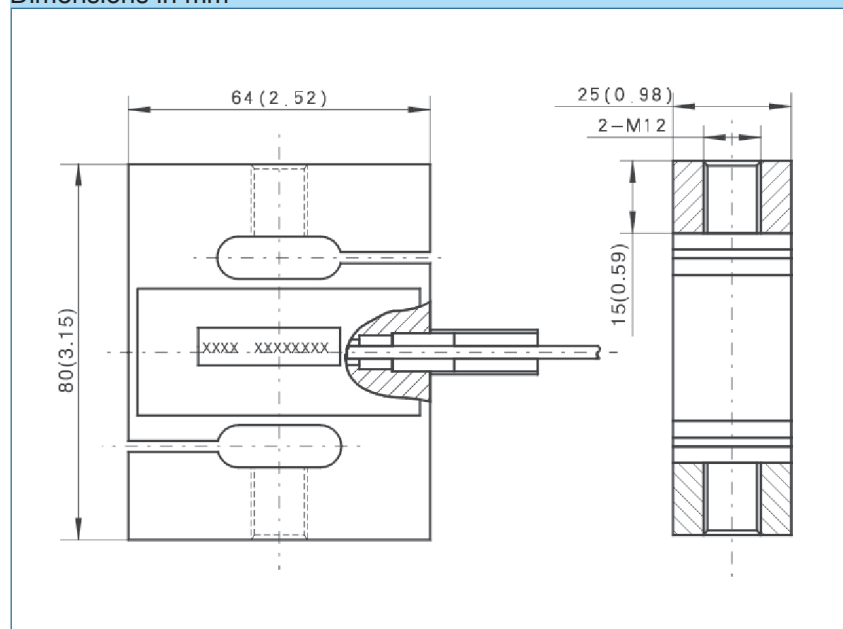
Available models

Capacity	Accuracy	Full article description
200kg-700kg	C2	L3V-C2-xxkg-2.6B

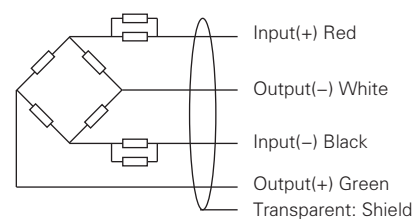
Specification

Maximum capacity (Emax)	kg	200/250/500/700
Output sensitivity (= FS)	mV/V	2.3 ± 0.2
Accuracy class		C2
Combined error	%FS	± 0.03
Creep	%FS/30min	± 0.024
Temperature effect on sensitivity	%FS/10°C	± 0.03
Temperature effect on zero	%FS/10°C	± 0.5
Zero balance	%FS	± 1.5
Temperature, compensated	°C	-10~40
Temperature range, operating	°C	-35~65
Terminal resistance, input	Ω	410 ± 30
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	M Ω	≥ 5000 (50VDC)
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150
Ingress Protection (according to EN 60529)		IP66
Cable Specification	mm	$\phi 5.0$
Cable Length	m	2.6
Recommended Installation Torque	N.m	100

Dimensions in mm



Wiring



HM3Q



test certificate no. TC8102 Revision 0
C of C no R60/2000-NL1-12.13

- Nickel plated alloy steel IP68 “S” type load cell
- High accuracy

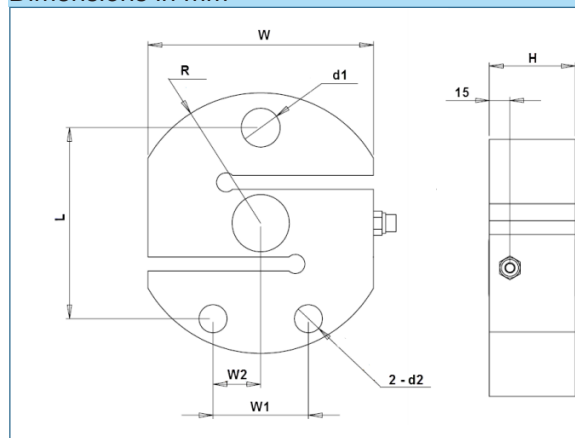
Available models

Capacity	Accuracy	Full article description
6t	C3/C4	HM3Q-C3/C4-6t-10B
12t	C3/C4	HM3Q-C3/C4-12t-10B
20t	C3/C4	HM3Q-C3/C4-20t-10B
30t	C3/C4	HM3Q-C3/C4-30t-10B

Specification

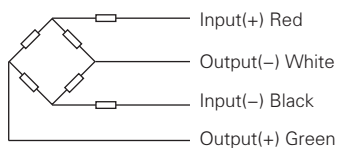
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	6, 12, 20, 30	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	of Emax	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.5 %	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	1000 ± 10	
Terminal resistance, output	Ω	1004 ± 5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP68	

Dimensions in mm



Dimension Capacity	W	W1	W2	L	R	H	Φd1	Φd2
6t	130 (5.12)	55 (2.17)	27.5 (1.08)	110 (4.33)	75 (2.95)	50 (1.97)	22.4 (0.88)	16.2 (0.64)
12t	130 (5.12)	55 (2.17)	27.5 (1.08)	110 (4.33)	75 (2.95)	60 (2.36)	22.4 (0.88)	16.2 (0.64)
20t	150 (5.91)	70 (2.76)	35 (1.38)	125 (4.92)	89 (3.50)	65 (2.56)	38.1 (1.50)	24.5 (0.96)
30t	200 (7.87)	90 (3.54)	45 (1.77)	176 (6.93)	125 (4.92)	70 (2.95)	50.15 (1.97)	30.15 (1.19)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 10m.
- Shield not connected to element

B6E/H6E

- Stainless/ alloy steel IP67 single point load cell
- Suitable for the pricing scales, bench scales, belt scales etc
- Maximum platform size: 400*400mm

Available models

Capacity	Accuracy	Full article description
xxkg	C3	B6E/H6E-C3-xxkg-2B
xxkg	C3	B6E/H6E-C3-xxkg-2B-S1
xxkg	C3	B6E/H6E-C3-xxkg-2G
xxkg	C3	B6E/H6E-C3-xxkg-2G-S1

G:The Insulation impedance Between Bridge Circuit and Shielded Wire is Zero

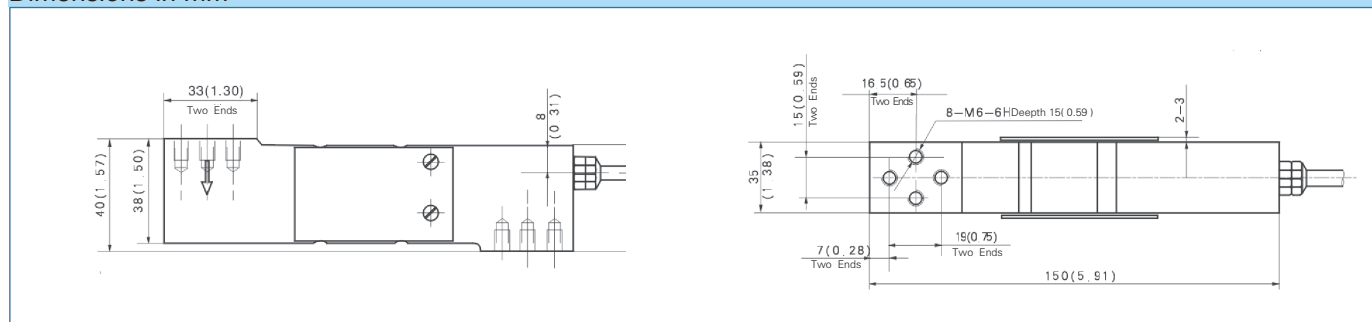


Specification

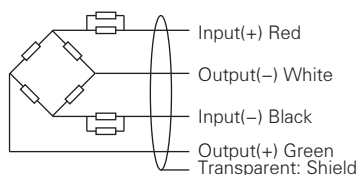
Maximum capacity (Emax)	kg	20/30/50/75/100/150/200/250/300
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10℃	± 0.011
Temperature effect on zero	%FS/10℃	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.2/ 2.0 ± 0.002
Terminal resistance, input	Ω	384 ± 4
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	≤ ± 1.5
Temperature, compensated	℃	-10~+40
Temperature range, operating	℃	-35~+70
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
Corner Correction		0.02%load value/100mm
ATEX Class(Optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73℃ II3G Ex nL II C T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 2m

B6E3/H6E3



- Stainless/ alloy steel IP67 single point load cell
- Suitable for the pricing scales, bench scales, belt scales etc
- Maximum platform size: 400*400mm

Available models

Capacity	Accuracy	Full article description
xxkg	C3	B6E3/H6E3-C3-xxkg-3B
xxkg	C3	B6E3/H6E3-C3-xxkg-3B-S1
xxkg	C3	B6E3/H6E3-C3-xxkg-3G
xxkg	C3	B6E3/H6E3-C3-xxkg-3G-S1

G:The Insulation impedance Between Bridge Circuit and Shielded Wire is Zero

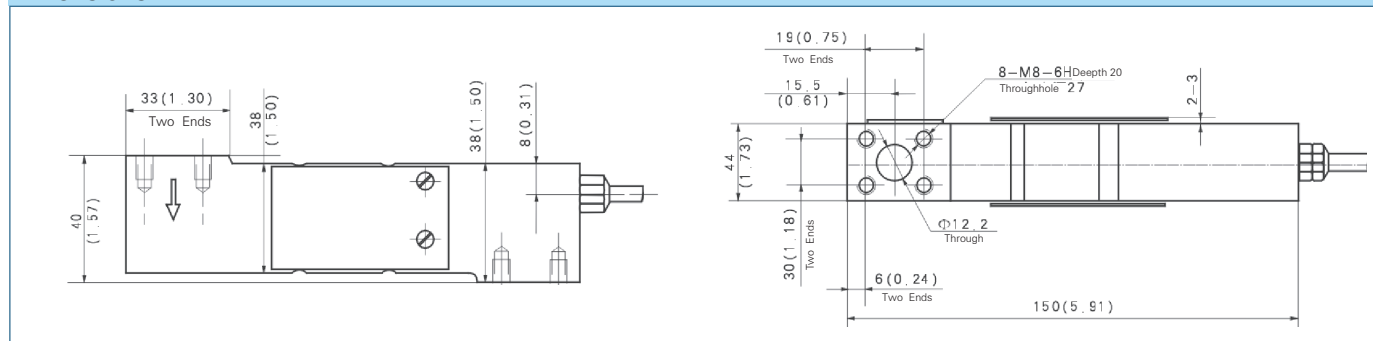


Specification

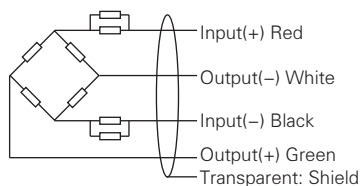
Maximum capacity (Emax)	kg	20/30/50/75/100/150/200/250/300
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/ 10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10℃	± 0.011
Temperature effect on zero	%FS/10℃	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.2/ 2.0 ± 0.002
Terminal resistance, input	Ω	384 ± 4
Terminal resistance, output	Ω	351 ± 3.5
Insulation impedance	MΩ	≥ 5000 (50VDC)
Zero balance	%FS	± 1.5
Temperature,compensated	℃	-10~+40
Temperature range, operating	℃	-35~+70
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	%FS	150
Ultimate overload	%FS	300
Corner Correction		0.02% load value/100mm
ATEX Class(Optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73℃ II3G Ex nL II C T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 3m

B6F

- Stainless steel IP67 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Maximum platform size:
for 50kg–200kg: 400 x 400 mm
for 250kg–500kg: 600 x 800 mm
for 750kg–2t: 1200 x 1200 mm



Available models

Capacity	Accuracy	Full article description
100 kg	C3 not approved	B6F-C3-100kg-3B6
150 kg	C3 not approved	B6F-C3-150kg-3B6
200 kg	C3 not approved	B6F-C3-200kg-3B6
250 kg	C3 not approved	B6F-C3-250kg-3B6
500 kg	C3	B6F-C3-500kg-3B6
750 kg	C3	B6F-C3-750kg-3B6
1000 kg	C3	B6F-C3-1000kg-3B6
2000 kg	C3	B6F-C3-2000kg-3B6



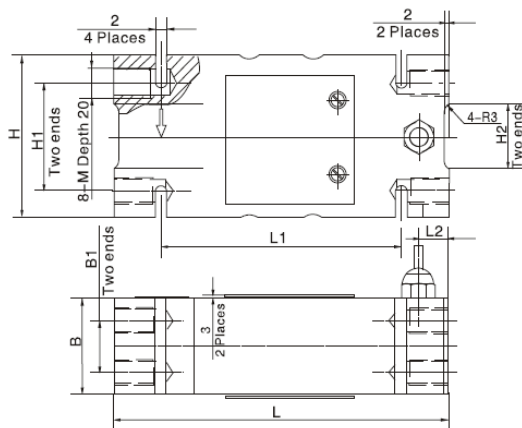
test certificate no. TC7867 Revision 0 C of
C no R60/2000-NL1-10.31

Specification

Accuracy class		C3	OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	100, 150, 200, 250	500, 750, 1000, 2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		5000	12000
Combined error	%FS	± 0.023	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	385 ± 4	
Terminal resistance, output	Ω	350 ± 3.5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP67	
Recommended torque on fixation bolts	N.m	M12:100 (Below 500kg)	M16:160 (750kg–2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C
			II3G Ex nL IIC T4

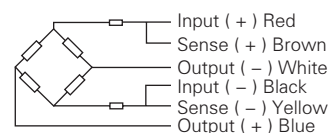
Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Dimension	50kg	250kg	750kg
Capacity	200kg	500kg	2t
B	44 (1.73)	60 (2.36)	76 (2.99)
B1	24 (0.94)	36 (1.42)	46 (1.81)
H	75 (2.95)	95 (3.74)	125 (4.92)
H1	50 (1.97)	70 (2.76)	95 (3.74)
H2	30 (1.18)	30 (1.18)	65 (2.56)
L	156 (6.14)	146 (5.75)	176 (6.93)
L1	112 (4.4)	110 (4.33)	110 (4.33)
L2	14 (0.55)	11 (0.43)	24 (0.94)
M	M12	M12	M16

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ 6.2mm.
- Standard cable length: 3m.
- Shield not connected to element.

B6G



- Stainless steel IP66 single point load cell
- Suitable for single or double load cell structured platform scales
- Recommended platform size: 600 x 600 mm

Available models

Capacity	Accuracy	Full article description
xxkg	C3	B6G-C3-xxkg-3B6
xxkg	C3	B6G-C3-xxkg-3B6-W1
xxkg	C3	B6G-C3-xxkg-3G6
xxkg	C3	B6G-C3-xxkg-3G6-W1

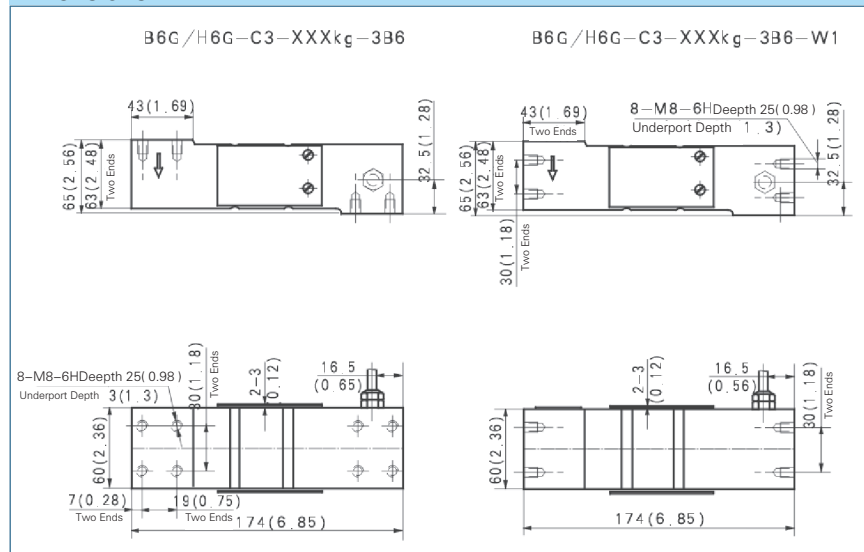
G:The Insulation impedance Between Bridge Circuit and Shielded Wire is Zero

Specification

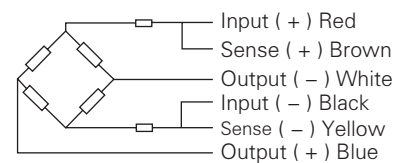
Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250, 300, 400, 500, 600, 635
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		7500
Combined error	%FS	± 0.0230
Minimum dead load	of Emax	0
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0 %
Excitation, recommended voltage	V	5 ~ 12 (DC)
Excitation maximum	V	18 (DC)
Terminal resistance, input	Ω	385 ± 5
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	℃	-10 ~ +40
Temperature range, operating	℃	-35 ~ +65
Storage temperature	℃	-40 ~ +70
Element material		Stainless steel
Ingress Protection (according to EN 60529)		IP66
Recommended torque on fixation bolts	N.m	M8: 25
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73℃ II3G Ex nL IIC T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ6mm.
- Standard cable length: 3m.
- Shield connected to element.

B6G5/H6G5

- Stainless/ alloy steel IP67 single point load cell
- Suitable for platform, belt and other electronic scales
- Maximum platform size: 50kg–1t: 600 x 800 ,2t: 1000 x 1000 mm



Available models

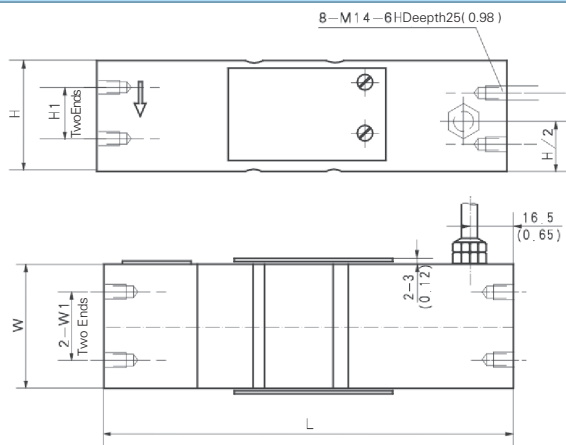
Capacity	Accuracy	Full article description
xxkg	C3	B6G5/H6G5–C3–xxkg–3B6
xxkg	C3	B6G5/H6G5–C3–xxkg–3G6
"G" The Insulation impedance Between Bridge		

Specification

Maximum capacity (Emax)	t	0.05/0.1/0.15/0.2/0.25/0.3/0.4/0.5/0.6/0.75/1/1.5/2		
Accuracy class		C3		
Maximum number of verification intervals	N.max	3000		
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000		
Combined error	%FS	± 0.020		
Creep	%FS/30min	± 0.016		
Temperature effect on sensitivity	%FS/10°C	± 0.011		
Temperature effect on zero	%FS/10°C	± 0.015		
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Terminal resistance, input	Ω	384 ± 4		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000 (50VDC)		
Zero balance	%FS	± 1.5		
Temperature, compensated	°C	-10~+40		
Temperature range, operating	°C	-35~+70		
Excitation, recommended voltage	V	5~12 (DC)		
Excitation maximum	V	18 (DC)		
Safe overload	of Emax	150		
Ultimate overload	of Emax	300		
Corner Correction		0.02% load value/100mm		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD20 T73°C	II3G Ex nL II C T4

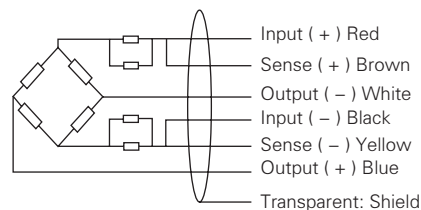
Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Capacity \ Dimension	50kg~1t	1.5t~2t
L	150 (5.91)	150 (5.91)
H	77 (3.03)	88 (3.46)
H1	46 (1.81)	55 (2.17)
W	68 (2.68)	76 (2.99)
W1	38 (1.50)	42 (1.65)

Wiring



- Adopt shielded, 4 conductor cable: Φ6.2mm
- Standard cable length: 3m

B6N



test certificate no. TC8009 Revision 0 and
D09-10.10 C of C no R60/2000-NL1-10.27 and
R60/2000-DE1-10.04

- Stainless steel IP67 single point load cell
- Bending beam
- Suitable for weighing equipment like platform and belt scales
- Maximum platform size: 400 x 400 mm

Available models

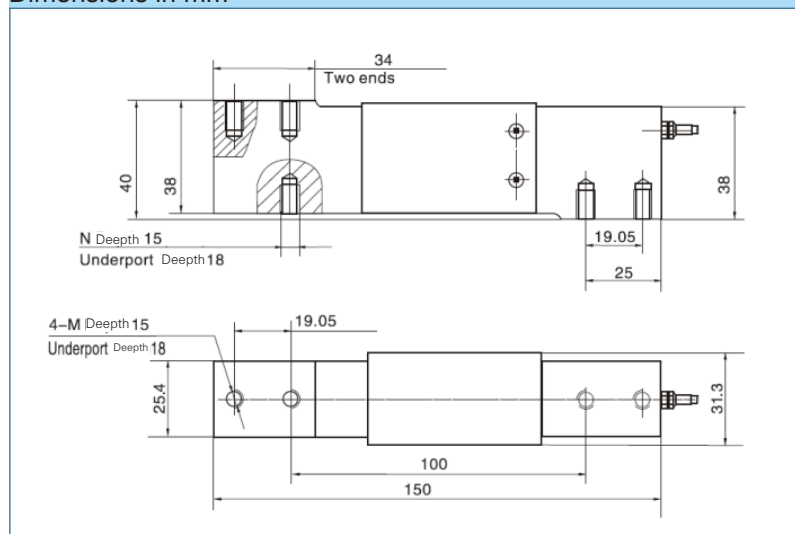
Capacity	Accuracy	Full article description
5 kg	C3/C4	B6N-C3/C4 -5kg-1B6
7 kg	C3/C4	B6N-C3/C4 -7kg-1B6
8 kg	C3/C4	B6N-C3/C4 -8kg-1B6
10 kg	C3/C4	B6N-C3/C4 -10kg-1B6
15 kg	C3/C4	B6N-C3/C4 -15kg-1B6
20 kg	C3/C4	B6N-C3/C4 -20kg-1B6
30 kg	C3/C4	B6N-C3/C4 -30kg-1B6
50 kg	C3	B6N-C3-50kg-1B6
75 kg	C3	B6N-C3-75kg-1B6
100 kg	C3	B6N-C3-100kg-1B6
150 kg	C3	B6N-C3-150kg-1B6
200 kg	C3	B6N-C3-200kg-1B6

Specification

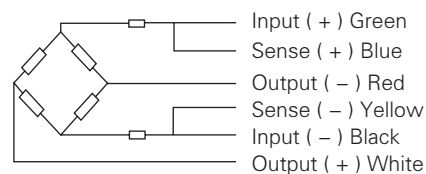
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	kg	5/7/8/10/15/20/30/50/75/100/150/200	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	kg	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	383 ± 4	
Terminal resistance, output	Ω	350 ± 3.5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP67	
Recommended torque on fixation bolts	N.m	M6: 10	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C
		II3G Ex nL IIC T4	

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 1m
- Shield not connected to element

B6Q

- Stainless/ alloy steel IP67 single point load cell
- Suitable for platform, belt and other electronic scales
- Maximum platform size: 400 mm x 400 mm



Available models

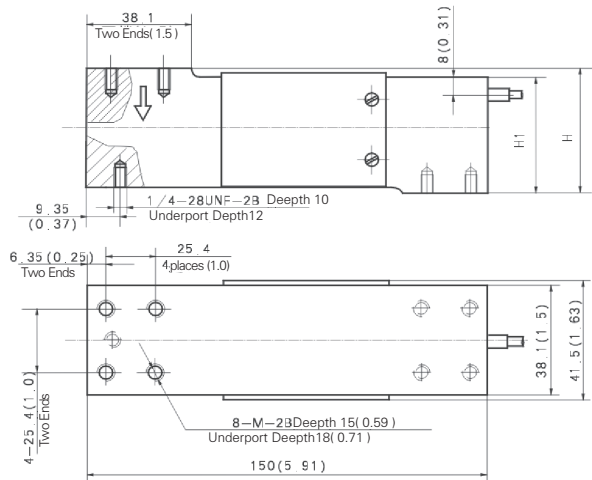
Capacity	Accuracy	Full article description
xxkg	C3	B6Q-C3-xxkg-1.5B6
xxkg	C3	B6Q-C3-xxkg-1.5B6-S1
xxkg	C3	B6Q-C3-xxkg-1.5YB6
xxkg	C3	B6Q-C3-xxkg-1.5YB6-S1

Specification

Maximum capacity (Emax)	kg	50/100/150/200/250
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.2/2.0 ± 0.002
Terminal resistance, input	Ω	400 ± 20
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000 (50VDC)
Zero balance	%FS	± 1.5
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
Corner Correction		0.02%load value/100mm
Recommended Installation Torque	N.m	10
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

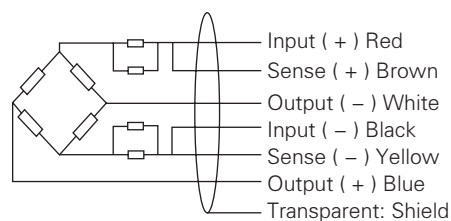
Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Dimension	H	H1	M
Capacity			
50kg	38 (1.5)	36 (1.42)	M6-6H
100kg-250kg	39.9 (1.57)	38 (1.5)	1/4-20UNC-2B
50 kg without 1/4-28UNF-2B threaded hole			

Wiring



- Adopt shielded, 4 conductor cable: Φ5.0mm
- Standard cable length: 1.5m

BM6A



- Stainless steel IP68 single point load cell
- Suitable for platform, belt scales and other weighing devices
- Hermetically sealed
- Maximum platform size: 350 x 350 mm



test certificate no. TC7834 revision 1 C of C no
R60/2000-NL1-10.32

Available models

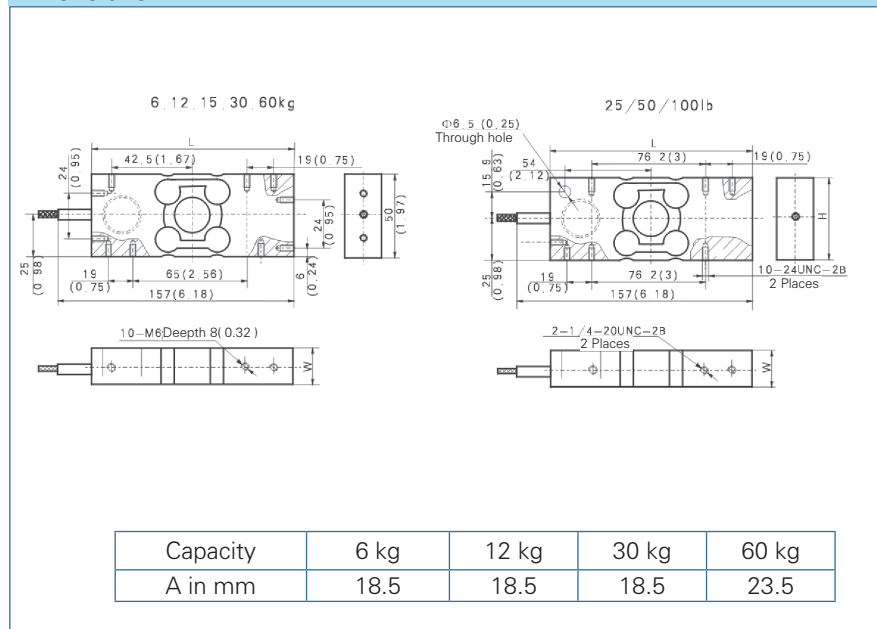
Capacity	Accuracy	Full article description
6kg	C3	BM6A-C3-6kg-6B6
12kg	C3	BM6A-C3-12kg-6B6
30kg	C3	BM6A-C3-30kg-6B6
60kg	C3	BM6A-C3-60kg-6B6

Specification

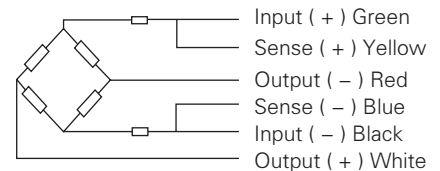
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	6, 12, 30, 60
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		15000
Combined error	%FS	± 0.0230
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.5
Excitation, recommended voltage	V	5 ~ 12 (DC)
Excitation maximum	V	18 (DC)
Terminal resistance, input	Ω	400 ± 20
Terminal resistance, output	Ω	350 ± 3.5
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature		-40 ~ +70
Element material		Stainless steel
Ingress Protection (according to EN 60529)		IP68
Recommended torque on fixation bolts	N.m	M6: 10
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Shielded cable, 6 conductor cable.
- Cable diameter: Φ6.2mm
- Standard cable length: 6m
- Shield not connected to element

BM6E

- Stainless steel IP68 single point load cell
- Suitable for single load cell structured platform scales
- High accuracy
- Maximum platform size: 600 x 600 mm



Available models

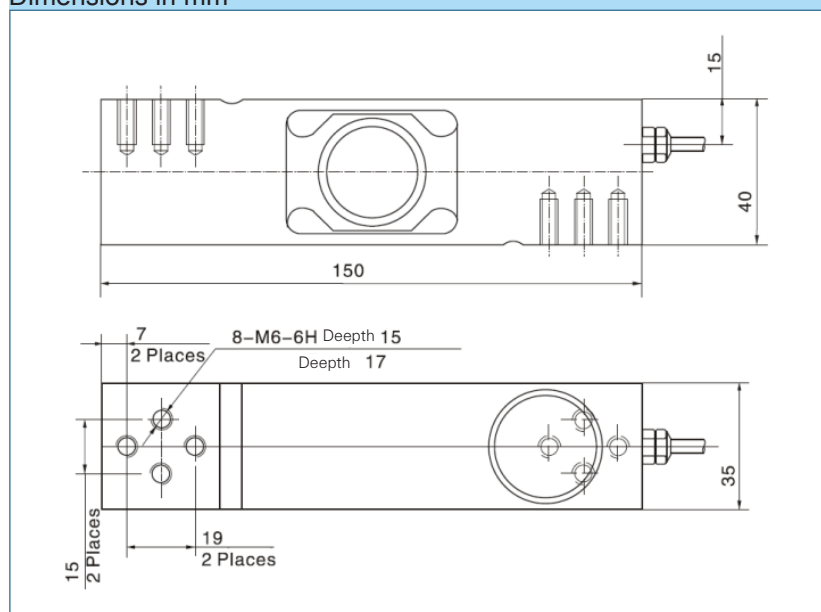
Capacity	Accuracy	Full article description
50kg	C3	BM6E-C3-50kg-2B
100kg	C3	BM6E-C3-100kg-2B
150kg	C3	BM6E-C3-150kg-2B
200kg	C3	BM6E-C3-200kg-2B
250kg	C3	BM6E-C3-250kg-2B
300kg	C3	BM6E-C3-300kg-2B

Specification

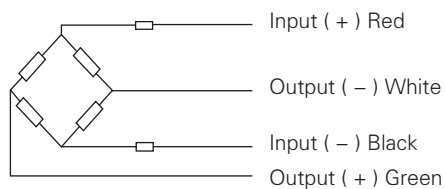
Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250, 300
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.0230
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.5
Excitation, recommended voltage	V	5 ~ 12 (DC)
Excitation maximum	V	18 (DC)
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Stainless steel
Recommended torque on fixation bolts	N.m	M6: 10
Corner correction		0.02 % load value / 100 mm
Ingress Protection (according to EN 60529)		IP68

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring



- Shielded cable, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 2m.
- Shield not connected to element

BM6G



OIML test certificate no. TC8040 revision 0
C of C no R60/2000-NL1-11.29

NTEP Certificate no. 12-017

- Stainless steel IP68/IP69k single point load cell
- Suitable for platform, belt scales and other weighing devices
- Maximum platform size 800 x 800mm (for 100– 500 kg)
- Maximum platform size 400 x 400mm (for 10 – 50 kg)
- 10kg only available with PTB certificate D09–10.06 Revision 1 of C R60/2000 DE1–10.02
- 10kg, 20 kg, 50 kg also available with C4MR approval with PTB certificate D09–10.06 revision 1, C of C R60/2000 DE1–10.02 (Y=40000 Z=6000)

Available models

Capacity	Accuracy	Full article description
10 kg	C3 / C4 MR	BM6G–C3/C4MR–10kg–3B6
20 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–20kg–3B6
50 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–50kg–3B6
50 kg	C3/C4 /C5/C4MR	BM6G–C3/C4/C5/C4MR–50kgSE–3B6
75 kg	C3/C4/C5	BM6G–C3/C4/C5–75kgSE–3B6
100 kg	C3/C4/C5	BM6G–C3/C4/C5–100kgSE–3B6
100 kg	C3/C4/C5	BM6G–C3/C4/C5–100kg–3B6
150 kg	C3/C4/C5	BM6G–C3/C4/C5–150kg–3B6
200 kg	C3/C4/C5	BM6G–C3/C4/C5–200kg–3B6
300 kg	C3/C4/C5	BM6G–C3/C4/C5–300kg–3B6
400 kg	C3/C4/C5	BM6G–C3/C4/C5–400kg–3B6
500 kg	C3/C4/C5	BM6G–C3/C4/C5–500kg–3B6
600 kg	C3/C4/C5	BM6G–C3/C4/C5–600kg–3B6

Specifications

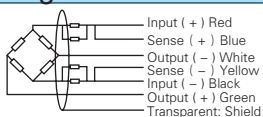
Capacity	kg	10 / 20 / 50 / 60/75 / 100 / 150 / 200 / 300 / 400 / 500/ 600
Accuracy		C3 C4 A6M A6S
Accuracy class		OIML R60 C3 OIML R60 C4
Maximum number of verification intervals	nmax	3000 4000
Maximum number of load cell intervals (nLC)	vmin	Emax/10000 Emax/15000 Emax/15000 Emax/20000
Combined error	(%FS)	≤ ± 0.0200 ≤ ± 0.0173 ≤ ± 0.0113 ≤ ± 0.009
Creep	%FS/30min	≤ ± 0.0245 ≤ ± 0.0184 ≤ ± 0.0184 ≤ ± 0.008
Temperature effect on sensitivity	%FS/10°C	≤ ± 0.0117 ≤ ± 0.0088 ≤ ± 0.0088 ≤ ± 0.006
Temperature effect on zero	%FS/10°C	≤ ± 0.0140 ≤ ± 0.0093 ≤ ± 0.0093 ≤ ± 0.007
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Terminal resistance, input	Ω	10kg/20kg/50kgSE/75kgSE/100kgSE 380 ± 15 50kg–600kg 350 ± 3.5
Terminal resistance, output	Ω	351 ± 3.5
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 2.0
Temperature, compensated	°C	–10~+40
Temperature range, operating	°C	–35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	%FS	150
Ultimate overload	%FS	300
Recommended Installation Torque	N.m	10kg/20kg/50kgSE/75kgSE/100kgSE 10 50kg–600kg 20
Ingress Protection (according to EN 60529)		IP68/IP69K
ATEX classification (optional)		II1G Ex ia II1C T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

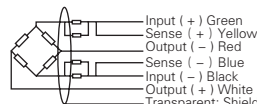
Outline Dimension mm(inch)



Wiring



- Adopt shielded, 6 conductor cable: Φ5mm
- Standard cable length: 3m



- Adopt shielded, 6 conductor cable: Φ5mm
- Standard cable length: 3m

H6F

- Nickel plated alloy steel IP66 single point load cell
- Bending beam
- Suitable for belt, platform and other electronic weighing devices
- Maximum platform size:
for 50kg–200kg: 400 x 400 mm
for 250kg–500kg: 600 x 800 mm
for 750kg–2t: 1200 x 1200 mm



Available models

Capacity	Accuracy	Full article description
100 kg	C3	H6F-C3-100kg-3B6
150 kg	C3	H6F-C3-150kg-3B6
200 kg	C3	H6F-C3-200kg-3B6
250 kg	C3	H6F-C3-250kg-3B6
500 kg	C3	H6F-C3-500kg-3B6
750 kg	C3	H6F-C3-750kg-3B6
1000 kg	C3	H6F-C3-1000kg-3B6
2000 kg	C3	H6F-C3-2000kg-3B6

Specification

Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	100, 150, 200, 250, 500, 750, 1000, 2000
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		7500
Combined error	%FS	± 0.020
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	384 ± 4
Terminal resistance, output	Ω	351 ± 2
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Nickel plated alloy steel
Ingress Protection (according to EN 60529)		IP66
Recommended torque on fixation bolts	N.m	M12:100 (Below 500kg) M16:160 (750kg–2000kg)
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm

Technical drawing of the H6F load cell showing front and side views with dimensions.

Front View Dimensions:

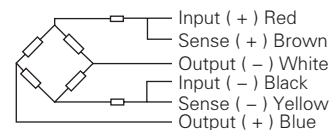
- H:** Total height
- H1:** Height from base to top of main body
- H2:** Height from base to top of mounting flange
- B:** Total width
- B1:** Width of main body
- L:** Total length
- L1:** Length of main body
- L2:** Length of mounting flange
- 2 Places:** Indicated for mounting holes on the top and bottom flanges.
- 4 Places:** Indicated for mounting holes on the top flange.
- 4-R3:** Indicated for the mounting flange.
- Two ends:** Indicated for the mounting flange.
- Depth epth 20:** Indicated for the mounting flange.
- Depth epth 29:** Indicated for the mounting flange.

Side View Dimensions:

- B:** Total width
- B1:** Width of main body
- L:** Total length
- L1:** Length of main body
- L2:** Length of mounting flange
- 2 Places:** Indicated for mounting holes on the top and bottom flanges.
- 3:** Indicated for the mounting flange.
- Two ends:** Indicated for the mounting flange.

Dimension Capacity	50kg 200kg	250kg 500kg	750kg 2t
B	44 (1.73)	60 (2.36)	76 (2.99)
B1	24 (0.94)	36 (1.42)	46 (1.81)
H	75 (2.95)	95 (3.74)	125 (4.92)
H1	50 (1.97)	70 (2.76)	95 (3.74)
H2	30 (1.18)	30 (1.18)	65 (2.56)
L	156 (6.14)	146 (5.75)	176 (6.93)
L1	112 (4.4)	110 (4.33)	110 (4.33)
L2	14 (0.55)	11 (0.43)	24 (0.94)
M	M12	M12	M16

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ 6.2mm
- Standard cable length: 3m
- Shield not connected to element

H6G



- Alloy steel IP66 single point load cell
- Nickel plated
- Suitable for platform, belt and other electronic scales
- Maximum platform size: 600 x 600 mm

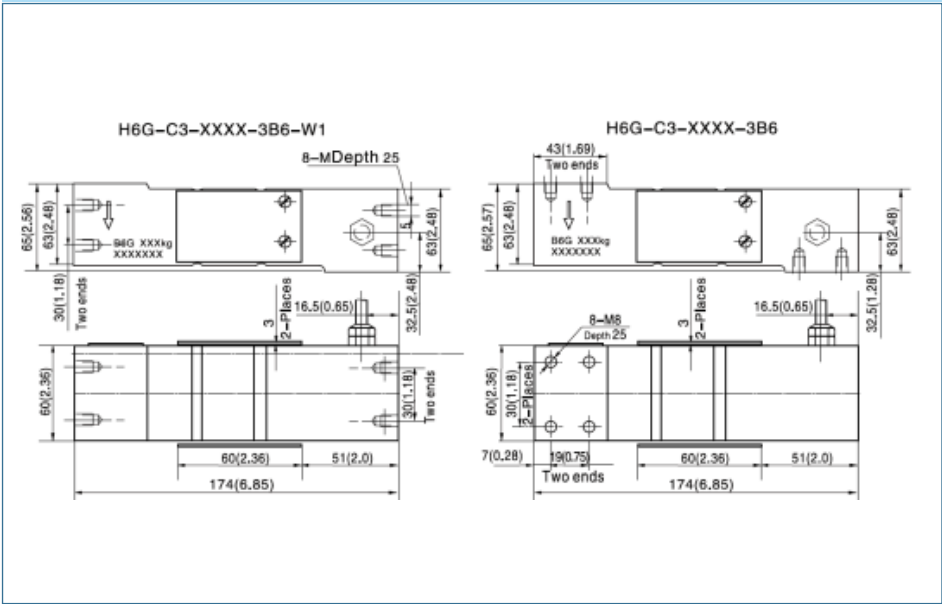
Available models		
Capacity	Accuracy	Full article description
100 kg	C3	H6G-C3-100kg-3G6
150 kg	C3	H6G-C3-150kg-3G6
200 kg	C3	H6G-C3-200kg-3G6
250 kg	C3	H6G-C3-250kg-3G6
300 kg	C3	H6G-C3-300kg-3G6
500 kg	C3	H6G-C3-500kg-3G6
600 kg	C3	H6G-C3-600kg-3G6

Specification

Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	100, 150, 200, 250, 300, 500, 600
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		7500
Combined error	%FS	± 0.020
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12 (DC)
Excitation maximum	V	18 (DC)
Terminal resistance, input	Ω	384 ± 4
Terminal resistance, output	Ω	351 ± 2
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~+40
Temperature range, operating	°C	-35 ~ +70
Element material		Alloy steel, nickel plated
Ingress Protection (according to EN 60529)		IP66
Recommended torque on fixation bolts	N.m	20
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Note: "S1" Output Sensitivity is 2.0+/-0.002mv

Dimensions in mm



Wiring

Input (+) Red

Sense (+) Brown

Output (-) White

Input (-) Black

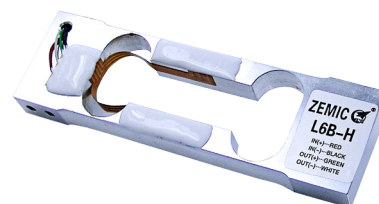
Sense (-) Yellow

Output (+) Blue

- Shielded, 6 conductor cable.
- Standard cable length: 3m.
- Transparent shield.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.

L6B

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc.
- Recommended platform size: 200 x 200mm



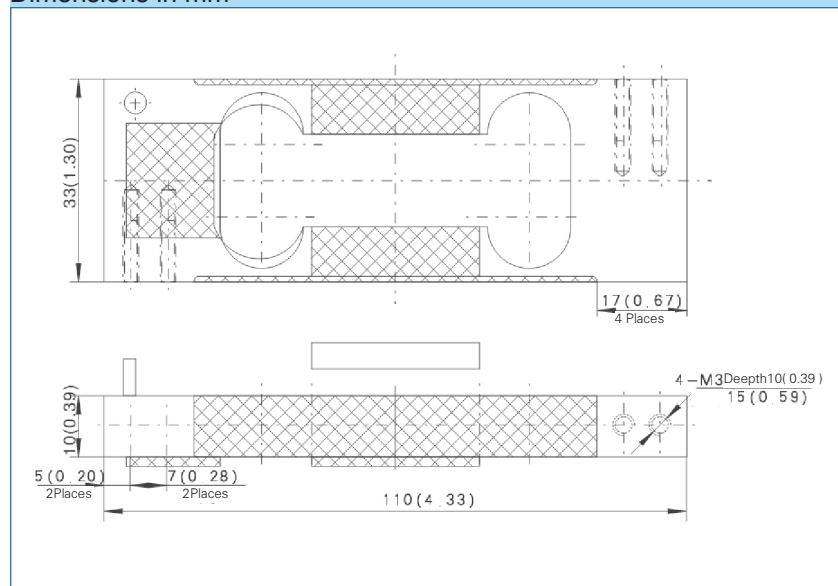
Available models

Capacity	Accuracy	Full article description
0.3 kg	L/H	L6B-L/H-0.3kg-0.4B
0.6 kg	L/H	L6B-L/H-0.6kg-0.4B
1.0 kg	L/H	L6B-L/H-1.0kg-0.4B
1.2 kg	L/H	L6B-L/H-1.2kg-0.4B
1.5 kg	L/H	L6B-L/H-1.5kg-0.4B
3.0 kg	L/H	L6B-L/H-3.0kg-0.4B

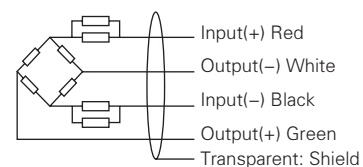
Specification

Accuracy class		L	H
Output sensitivity (= FS)	mV/V	0.9 ± 0.1	
Maximum capacity (Emax)	kg	0.3, 0.6, 1.0, 1.2, 1.5, 3	
Linearity	%FS	± 0.015	± 0.012
Hysteresis	%FS	± 0.015	± 0.012
Repeatability	%FS	± 0.015	± 0.012
Temperature effect on Minimum dead load output	%FS/10°C	± 0.030	± 0.020
Temperature effect on output	%FS/10°C	± 0.030	± 0.020
Combined error	%FS	± 0.010	± 0.005
Eccentric loading error	%FS	± 0.0200	
Minimum dead load	Of Emax	0%	
Safe overload	of Emax	120 %	
Ultimate overload	of Emax	150 %	
Zero balance	%FS	± 2.0	
Excitation, recommended voltage	V	5 ~ 12 (DC)	
Excitation maximum	V	18 (DC)	
Terminal resistance, input	Ω	406 ± 6	
Terminal resistance, output	Ω	350 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-20 ~ +50	
Storage temperature	°C	-35 ~ +65	
Element material		Aluminium	
Recommended torque on fixation bolts	N.m	5	
Ingress Protection (according to EN 60529)		IP65	

Dimensions in mm

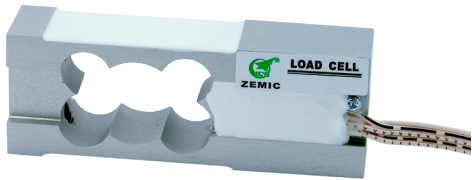


Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 2.9\text{mm}$.
- Standard cable length: 0.40m
- Shield not connected to element.
- Cable jacket in PVC.

L6C



- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for counting and other electronic scales
- Maximum platform size: 350 x 450 mm

Available models		
Capacity	Accuracy	Full article description
3 kg	C3D/C3	L6C-C3D/C3-3kg-0.35P5
5 kg	C3D/C3	L6C-C3D/C3-5kg-0.35P5
8 kg	C3D/C3	L6C-C3D/C3-8kg-0.35P5
20 kg	C3D/C3	L6C-C3D/C3-20kg-0.35P5
30 kg	C3D/C3	L6C-C3D/C3-30kg-0.35P5
50 kg	C3D/C3	L6C-C3D/C3-50kg-0.35P5

Specification				
Accuracy class		C3D		C3
Output sensitivity (= FS)	mV/V	1.9 ± 0.2		
Maximum capacity (Emax)	kg	3, 5, 8, 20, 30, 50		
Maximum number of load cell intervals (nLC)		2500		3000
Ratio of minimum LC verification interval Y = Emax / vmin		5000		10000
Combined error	%FS	± 0.0280		± 0.0200
Safe overload	of Emax	120 %		
Ultimate overload	of Emax	150 %		
Zero balance	%FS	± 2.0 %		
Excitation, recommended voltage	V	5 ~ 12 (DC)		
Excitation maximum	V	18 (DC)		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	℃	-10 ~ +40		
Temperature range, operating	℃	-20 ~ +50		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	15		
Ingress Protection (according to EN 60529)		IP65		

Dimensions in mm	

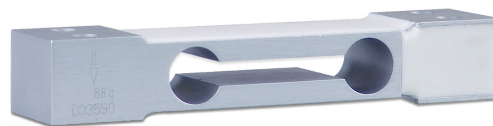
Wiring		
	Cable Marking	Fuction
	---	Input(+)
		Output(+)
	xxxxxx	Input(-)
	----	Output(-)
		Shielded
• Adopt a shielded, 5 conductor ribbon cable. • Cable length: 0.35 ± 0.05m • Shield not connected to element		

L6D

- Aluminium-Alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 250 x 350 mm

Available models

Capacity	Accuracy	Full article description
2.5 kg	C3 Excluded from OIML	L6D-C3-2.5kg-0.40B
3 kg	C3/C4/C5	L6D-C3/C4/C5-3kg-0.40B
5 kg	C3/C4/C5	L6D-C3/C4/C5-5kg-0.40B
6 kg	C3/C4/C5	L6D-C3/C4/C5-6kg-0.40B
8 kg	C3/C4/C5	L6D-C3/C4/C5-8kg-0.40B
10 kg	C3/C4/C5	L6D-C3/C4/C5-10kg-0.40B
15 kg	C3/C4/C5	L6D-C3/C4/C5-15kg-0.40B
20 kg	C3/C4/C5	L6D-C3/C4/C5-20kg-0.40B
30 kg	C3/C4/C5	L6D-C3/C4/C5-30kg-0.40B
35 kg	C3/C4/C5	L6D-C3/C4/C5-35kg-0.40B
40 kg	C3/C4/C5	L6D-C3/C4/C5-40kg-0.40B
50 kg	C3/C4/C5	L6D-C3/C4/C5-50kg-0.40B



test certificate no. TC7868 Revision 0
C of C no R60/2000-NL1-10.35

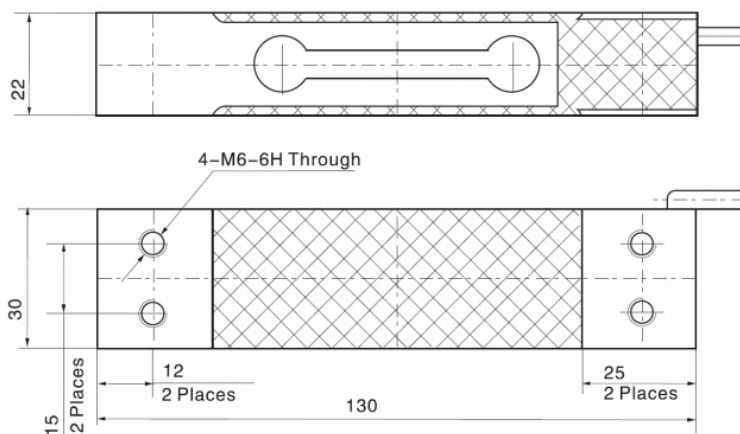


Certificate no. 11-012

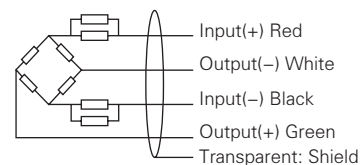
Specification

specification		C3	OIML R60 C3	OIML R60 C4	OIML R60 C5
Accuracy class					
Output sensitivity (= FS)	mV/V	2.0 ± 0.2			
Maximum capacity (Emax)	kg	2.5	3, 5, 6, 8, 10, 15, 20, 30, 35, 40, 50		
Maximum number of load cell intervals (nLC)		3000	3000	4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	10000	15000	20000
Combined error	%FS	± 0.02		± 0.0150	± 0.01
Minimum dead load	of Emax	0%			
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 2.0			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	406 ± 6			
Terminal resistance, output	Ω	350 ± 3			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	℃	-10 ~+40			
Temperature range, operating	℃	-35 ~ +65			
Storage temperature	℃	-40 ~ +70			
Element material		Aluminium			
Recommended torque on fixation bolts	N.m	< 30kg: 6		> 30kg:10	
Ingress Protection (according to EN 60529)		IP65			

Dimensions in mm

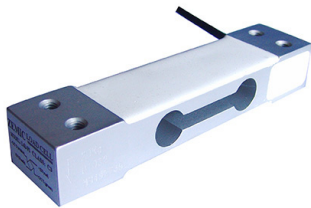


Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ3.8mm.
- Standard cable length: 0.40m
- Shield not connected to element.
- Cable jacket in PVC.

L6D-FS



- Aluminum–alloy IP65 single point load cell
- Colourless anodized. High waterproof ability
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size:250*350mm

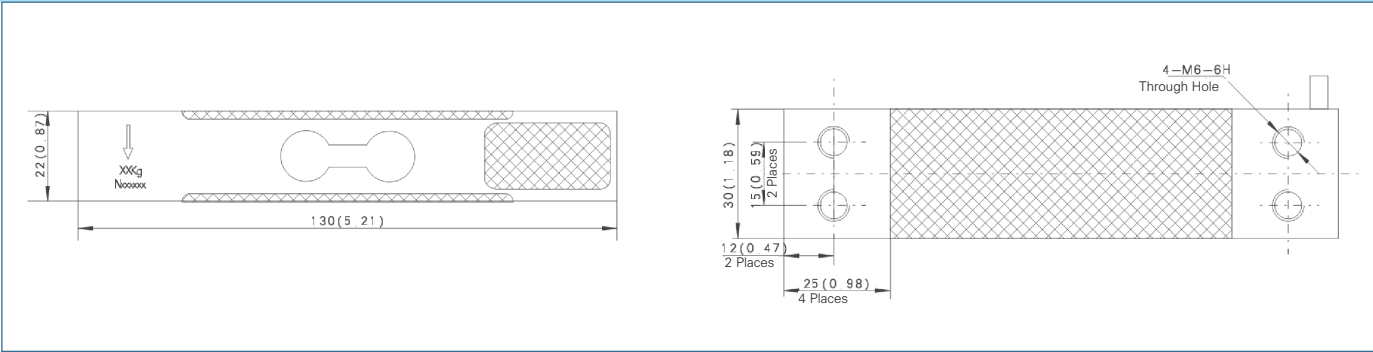
Available models

Capacity	Accuracy	Full article description
3kg–50kg	C3	L6D–C3–xxkg–0.45B–FS

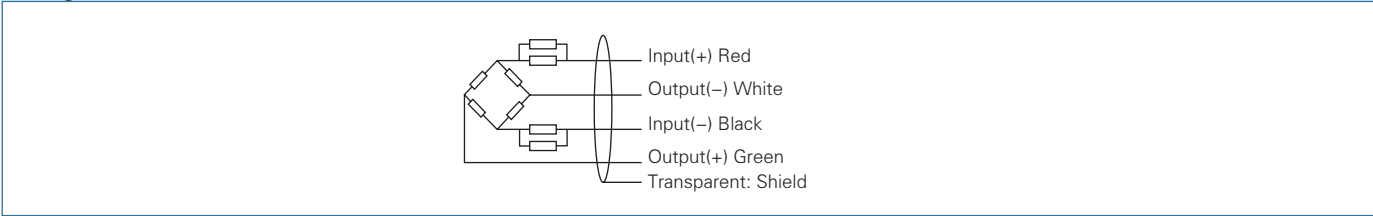
Specification

Maximum capacity (Emax)	kg	3/5/6/8/10/15/20/25/30/35/40/50
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Accuracy class		C3
Combined error	%FS	± 0.02
Creep	%FS/30min	± 0.0167
Temperature effect on sensitivity	%FS/10℃	± 0.0175
Temperature effect on zero	%FS/10℃	± 0.02
Zero balance	%FS	± 2
Temperature,compensated	℃	–10~40
Temperature range, operating	℃	–35~65
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (50VDC)
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150
Ingress protection (according to EN 60529)		IP65
Cable specification	mm	φ 3.8
Cable length	m	0.45
Recommended Installation size	mm	250 × 350
Corner correction		0.02% load value/100mm
Recommended torque on fixation bolts	N.m	6

Dimensions in mm

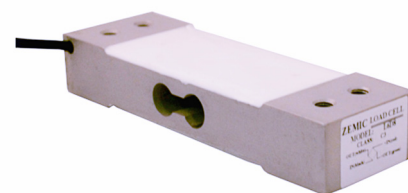


Wiring



L6D8

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 350 x 350 mm



test certificate no. D09-09.12 Revision 0

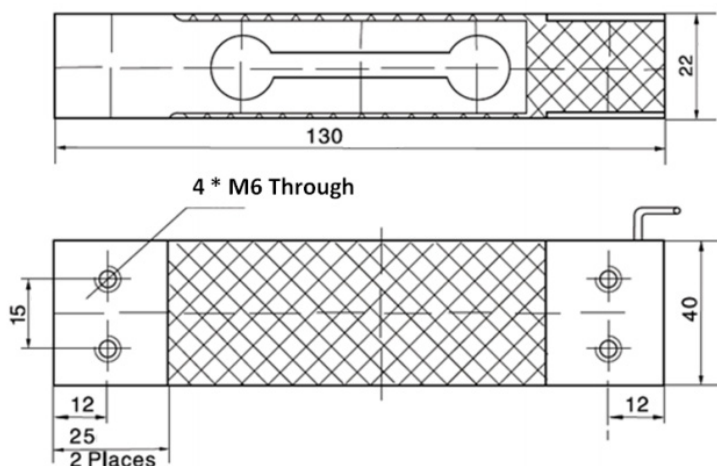
Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6D8-C3/C4-50kg-1.6B
75 kg	C3/C4	L6D8-C3/C4-75kg-1.6B
100 kg	C3/C4	L6D8-C3/C4-100kg-1.6B
150 kg	C3/C4	L6D8-C3/C4-150kg-1.6B
200 kg	C3/C4	L6D8-C3/C4-200kg-1.6B

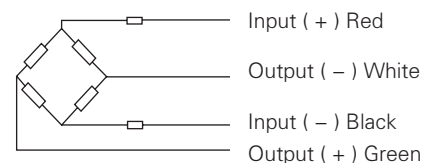
Specification

Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	50, 75, 100, 150, 200	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	16000
Combined error	%FS	± 0.02	± 0.015
Minimum dead load	Of Emax	0%	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 2.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	406 ± 6	
Terminal resistance, output	Ω	350 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Aluminium	
Recommended torque on fixation bolts	N.m	M6: 10	
Ingress Protection (according to EN 60529)		IP65	

Dimensions in mm

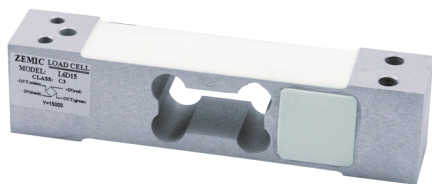


Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 3.8\text{mm}$.
- Standard cable length: 1.60m.
- Shield not connected to element.
- Cable jacket in PVC.

L6D15



test certificate no. D09-09.13

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Recommended platform size: 250 x 350 mm

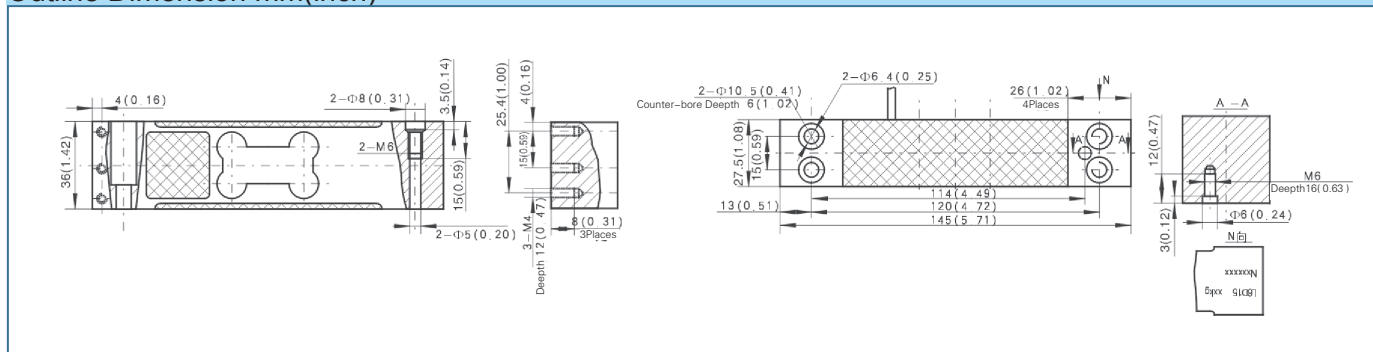
Available models

Capacity	Accuracy	Full article description
6 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-6kg-0.085B
9 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-9kg-0.085B
12 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-12kg-0.085B
15 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-15kg-0.085B
18 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-18kg-0.085B
30 kg	C3 / C4 / C5	L6D15-C3 / C4 / C5-30kg-0.085B

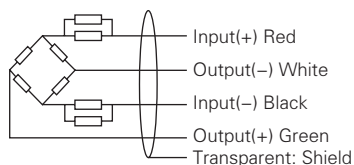
Specification

Accuracy class		OIML R60 C3	OIML R60 C5	C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	6, 9, 12, 15, 18, 30		
Maximum number of load cell intervals (nLC)		3000	5000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	20000	15000
Combined error	%FS	± 0.02	± 0.01	± 0.015
Minimum dead load	Of Emax	0%		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 2		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	6		
Ingress Protection (according to EN 60529)		IP65		

Outline Dimension mm(inch)



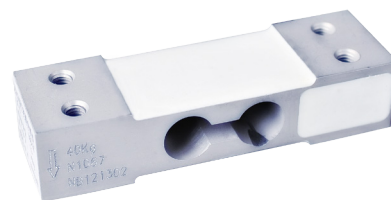
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 3.8\text{mm}$.
- Standard cable length: 0.085m.
- Shield not connected to element.
- Cable jacket in PVC.

L6D16

- L6D16 load cells are available in the capacities 3kg–40kg.
- Aluminum, surface anodized, special protection process, anti-corrosion, high waterproof ability.
- Suitable for electronic pricing scales, electronic platform scales and other electronic weighing devices.



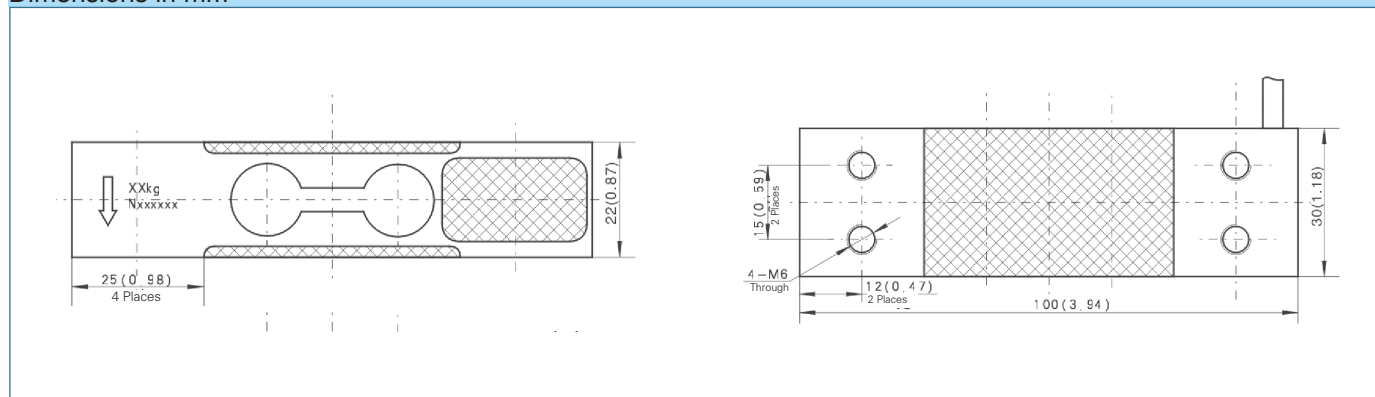
Available models

3kg–40kg	C3	L6D16–C3–xxkg–0.22B
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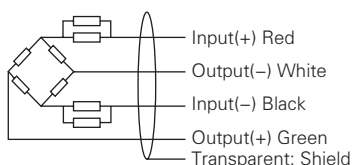
Specification

Maximum capacity (Emax)	kg	3/5/8/10/20/30/40
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Accuracy class		C3
Combined error	%FS	± 0.02
Creep	%FS/30min	± 0.0167
Temperature effect on sensitivity	%FS/10°C	± 0.0175
Temperature effect on zero	%FS/10°C	± 0.02
Zero balance	%FS	± 2
Temperature, compensated	°C	–10~40
Temperature range, operating	°C	–35~65
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (50VDC)
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150
Ingress Protection (according to EN 60529)		IP65
Cable Specification	mm	φ 3.8
Cable Length	m	0.22
Recommended Installation Size	mm	250 × 350
Corner Correction		0.02% load value/100mm
Recommended Installation Torque	N.m	3kg–30kg
		40kg
		6
		10

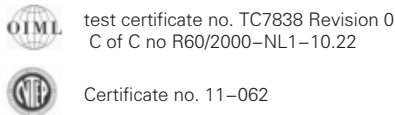
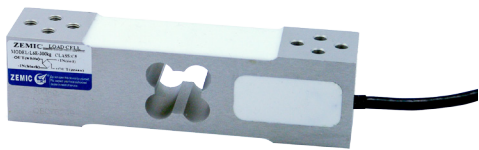
Dimensions in mm



Wiring



L6E



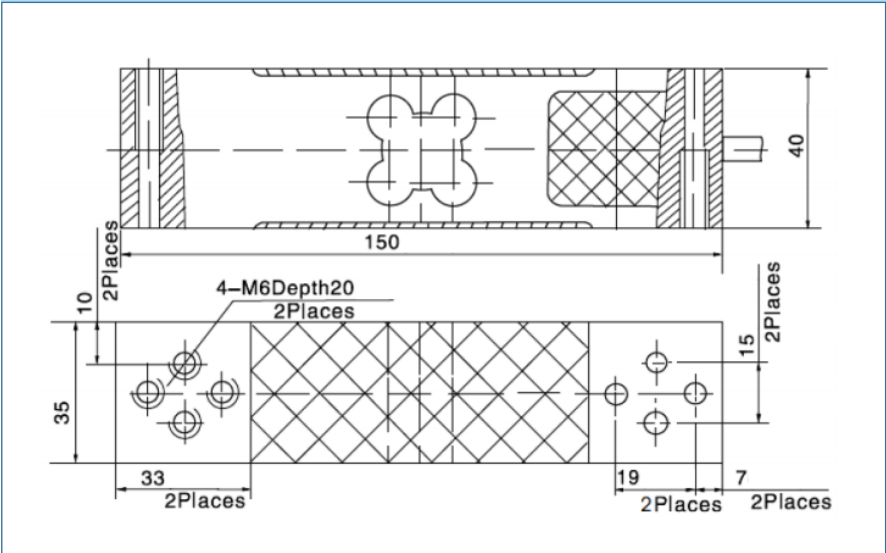
- Aluminium–Alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 400 x 400mm

Available models		
Capacity	Accuracy	Full article description
50 kg	C3/C4/C5	L6E–C3/C4/C5–50kg–2B
60 kg	C3/C4/C5	L6E–C3/C4/C5–60kg–2B
80 kg	C3/C4/C5	L6E–C3/C4/C5–80kg–2B
100 kg	C3/C4/C5	L6E–C3/C4/C5–100kg–2B
150 kg	C3/C4/C5	L6E–C3/C4/C5–150kg–2B
200 kg	C3/C4/C5	L6E–C3/C4/C5–200kg–2B
300 kg	C3/C4/C5	L6E–C3/C4/C5–300kg–2B

Specification

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	50, 60, 80,100,	150, 200,300	50, 60, 80,100, 150, 200,300
Maximum number of load cell intervals (nLC)		3000	4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000	20000
Combined error	%FS	± 0.02	± 0.015	± 0.01
Minimum dead load	of Emax	0%		
Safe overload	of Emax	120 %		
Ultimate overload	of Emax	150 %		
Zero balance	%FS	< ± 2.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~+40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	M6:10		
Ingress Protection (according to EN 60529)		IP65		

Dimensions in mm



Wiring

Input (+) Red

Output (-) White

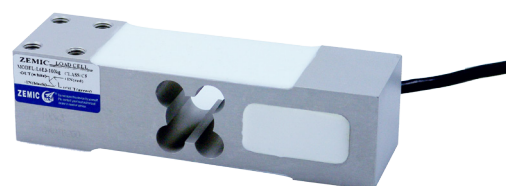
Input (-) Black

Output (+) Green

- Shielded, 4 conductor cable.
- Cable diameter: Φ5.3mm.
- Standard cable length: 2m.
- Shield not connected to element.
- Cable jacket in PVC.

L6E3

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc
- Maximum platform size: 450 x 450 mm



test certificate no. TC7836 Revision 1
C of C no R60/2000-NL1-10.34



Certificate no. 11-062

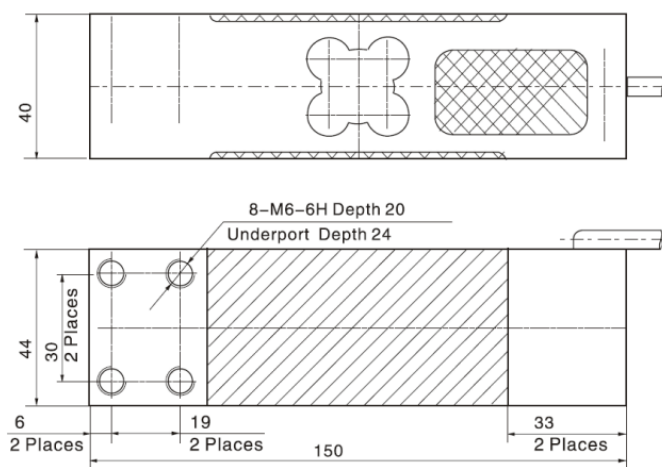
Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6E3-C3/C4-50kg-2G
100 kg	C3/C4	L6E3-C3/C4-100kg-2G
150 kg	C3/C4	L6E3-C3/C4-150kg-2G
200 kg	C3/C4	L6E3-C3/C4-200kg-2G
250 kg	C3/C4	L6E3-C3/C4-250kg-2G
300 kg	C3/C4/C5	L6E3-C3/C4/C5-300kg-2G
400 kg	C3/C4/C5	L6E3-C3/C4/C5-400kg-2G
500 kg	C3/C4/C5	L6E3-C3/C4/C5-500kg-2G

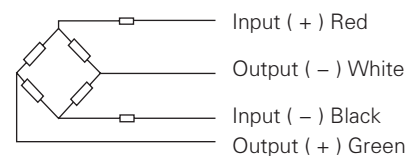
Specification

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250, 300, 400, 500	300, 400, 500	
Maximum number of load cell intervals (nLC)		3000	4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000	20000
Combined error	%FS	± 0.0200	± 0.015	± 0.01
Minimum dead load	of Emax	0%		
Safe overload	of Emax	120 %		
Ultimate overload	of Emax	150 %		
Zero balance	%FS	± 2.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	M6:10		
Ingress Protection (according to EN 60529)		IP65		

Dimensions in mm

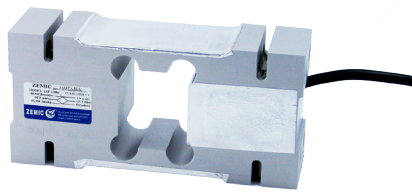


Wiring



- Shielded, 4 conductor cable.
- Cable diameter: $\Phi 5.3\text{mm}$.
- Standard cable length: 2m.
- Shield connected to element.
- Cable jacket in PVC.

L6F



test certificate no. D09-06.10
C of C no R60/2000-CN1-06.02

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for belt, pricing and platform scales
- Maximum platform size:
for 50kg–200kg: 600 x 600 mm
for 250kg–500kg: 600 x 800 mm
for 750kg–2t: 1200 x 1200 mm

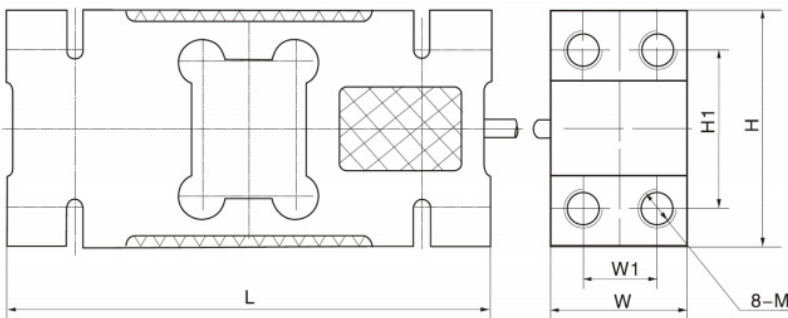
Available models

Capacity	Accuracy	Full article description
50 kg	C3	L6F-C3-50kg-3B6
100 kg	C3	L6F-C3-100kg-3B6
150 kg	C3	L6F-C3-150kg-3B6
200 kg	C3	L6F-C3-200kg-3B6
250 kg	C3	L6F-C3-250kg-3B6
500 kg	C3	L6F-C3-500kg-3B6
750 kg	C3	L6F-C3-750kg-3B6
1000 kg	C3	L6F-C3-1000kg-3B6
2000 kg	C3	L6F-C3-2000kg-3B6

Specification

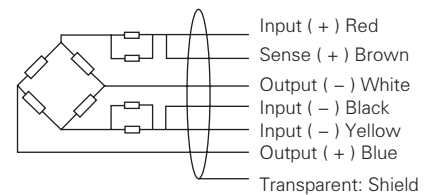
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250, 500, 750, 1000, 2000
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		7000
Combined error	%FS	± 0.02
Minimum dead load	kg	0%
Safe overload	of Emax	120 %
Ultimate overload	of Emax	150 %
Zero balance	%FS	± 2.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Aluminium
Recommended torque on fixation bolts	N.m	M12: 75 M16: 200
Ingress Protection (according to EN 60529)		IP65

Dimensions in mm



Dimension Capacity	H	H1	L	W	W1	M
50~200kg	75	50	156	44	24	M12Depth20
250~500kg	95	70	146	60	36	M12Depth18
750~2000kg	125	95	176	76	46	M16Depth20

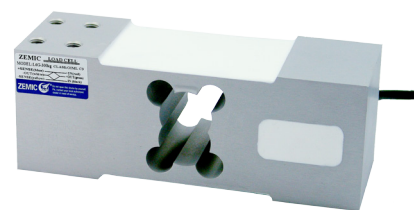
Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ6.2mm.
- Standard cable length: 3m.
- Shield not connected to element.
- Cable jacket in PVC

L6G

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single and double load cells structured platform scales.
- Maximum platform size: 600 x 600 mm
- A 1000 Ohm type available (R1) but is excluded from OIML



test certificate no. D09-03.22 Revision 2

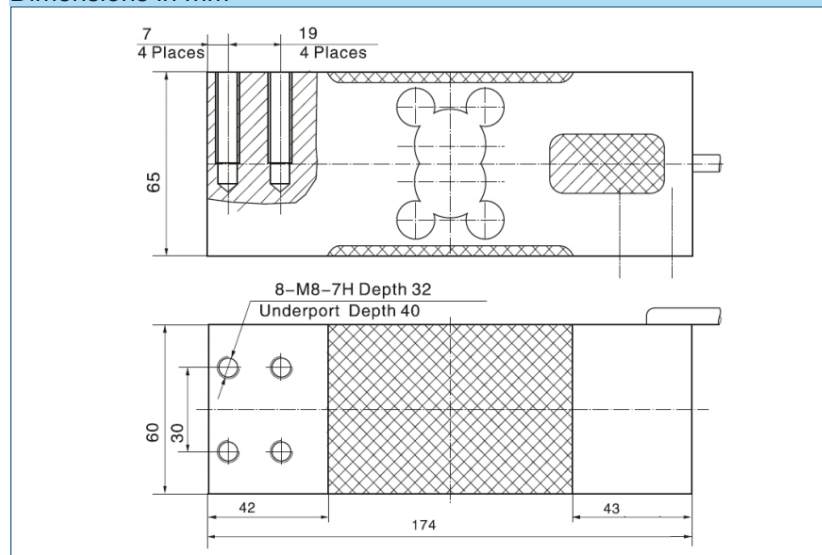
Available models

Capacity	Accuracy	Full article description
50 kg	C3	L6G-C3-50kg-3G6
100 kg	C3	L6G-C3-100kg-3G6
150 kg	C3/C4	L6G-C3/C4 -150kg-3G6
200 kg	C3/C4	L6G-C3/C4 -200kg-3G6
250 kg	C3/C4	L6G-C3/C4 -250kg-3G6
300 kg	C3/C4	L6G-C3/C4 -300kg-3G6
500 kg	C3/C4	L6G-C3/C4 -500kg-3G6
600 kg	C3/C4	L6G-C3/C4 -600kg-3G6

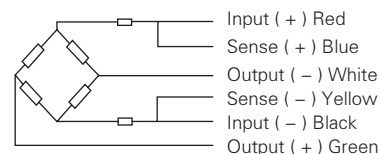
Specification

Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250, 300, 500, 600	150, 200, 250, 300, 500, 600
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.02	± 0.0150
Minimum dead load	kg	0	
Safe overload	of Emax	120 %	
Ultimate overload	of Emax	150 %	
Zero balance	%FS	± 2.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	406 ± 6	
Terminal resistance, output	Ω	350 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Aluminium	
Recommended torque on fixation bolts	N.m	M8:25	
Ingress Protection (according to EN 60529)		IP65	

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5.9mm.
- Cable length: 3m.
- Shield connected to element.
- Cable jacket in PVC.

L6H5



test certificate no. TC7839 Revision 0
C of C no R60/2000-NL1-10.23

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Recommended platform size: 200 x 200 mm

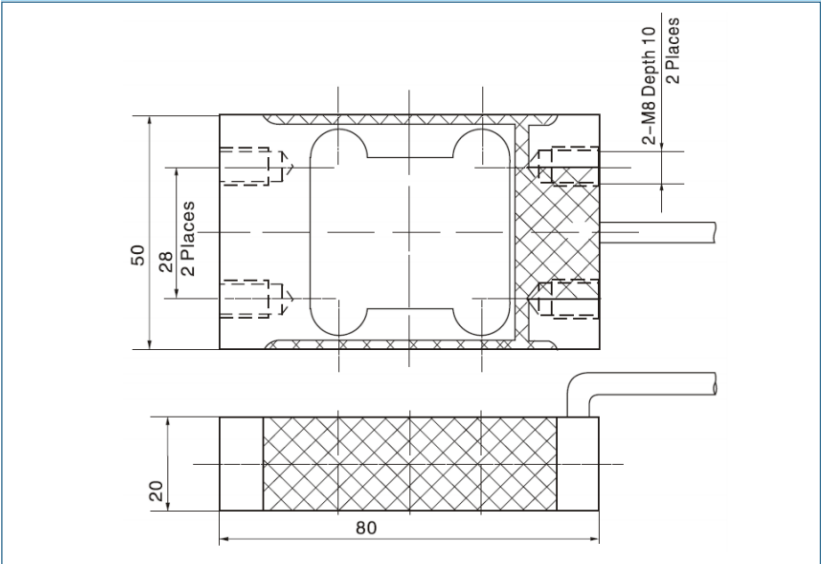
Available models

Capacity	Accuracy	Full article description
4 kg	C3	L6H5-C3-4kg-0.5B
5 kg	C3	L6H5-C3-5kg-0.5B
6 kg	C3	L6H5-C3-6kg-0.5B
8 kg	C3	L6H5-C3-8kg-0.5B
10 kg	C3	L6H5-C3-10kg-0.5B
20 kg	C3	L6H5-C3-20kg-0.5B
30 kg	C3	L6H5-C3-30kg-0.5B

Specification

Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (Emax)	kg	4, 5, 6, 8, 10, 15, 20, 30
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		15000
Combined error	%FS	± 0.02
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 2.0 %
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Aluminium
Recommended torque on fixation bolts	N.m	M8: 25
Ingress Protection (according to EN 60529)		IP65

Dimensions in mm



Wiring

Input(+) Red

Output(-) White

Input(-) Black

Output(+) Green

Transparent: Shield

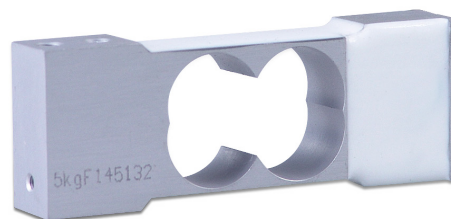
- Shielded, 4 conductor cable.
- Cable diameter: Φ3.8mm.
- Standard cable length: 0.5m.
- Shield not connected to element.
- Cable jacket in PVC.

L6J

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Recommended platform size: 200 x 200 mm

Available models

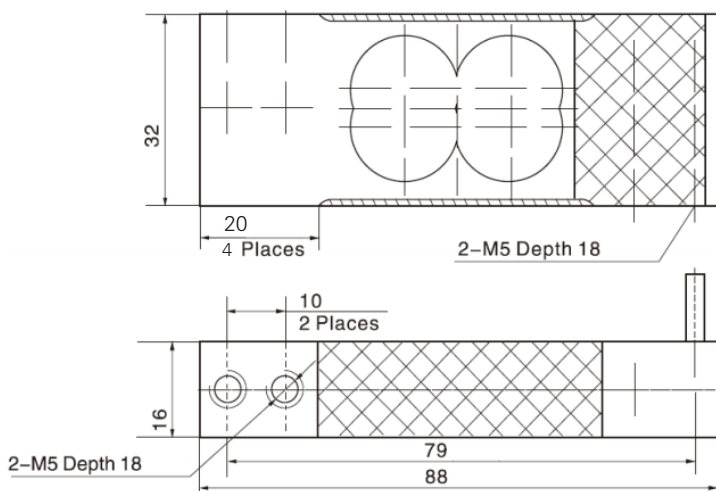
Capacity	Accuracy	Full article description
2 kg	C3D	L6J-C3D-2kg-0.45B
3 kg	C3D	L6J-C3D-3kg-0.45B
5 kg	C3D	L6J-C3D-5kg-0.45B
8 kg	C3D	L6J-C3D-8kg-0.45B
15 kg	C3D	L6J-C3D-15kg-0.45B
20 kg	C3D	L6J-C3D-20kg-0.45B



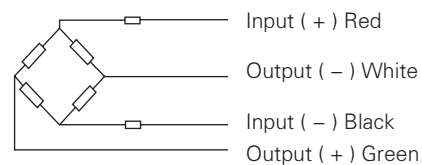
Specification

Accuracy class		C3D
Output sensitivity (= FS)	mV/V	1.5 ± 0.2
Maximum capacity (Emax)	kg	2, 3, 5, 8, 10, 15, 20
Maximum number of load cell intervals (nLC)		2500
Ratio of minimum LC verification interval Y = Emax / vmin		5000
Combined error	%FS	± 0.0280
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 2.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Aluminium
Recommended torque on fixation bolts	N.m	M5: 7
Ingress Protection (according to EN 60529)		IP65

Dimensions in mm



Wiring



- Shielded, 4 conductor cable.
- Cable Diameter: Φ3mm
- Standard cable length: 0.45m
- Shield not connected to element.
- Cable jacket is PVC.

L6J1



- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for counting scales, balances, pricing scales, etc.
- Recommended platform size: 200 x 200 mm

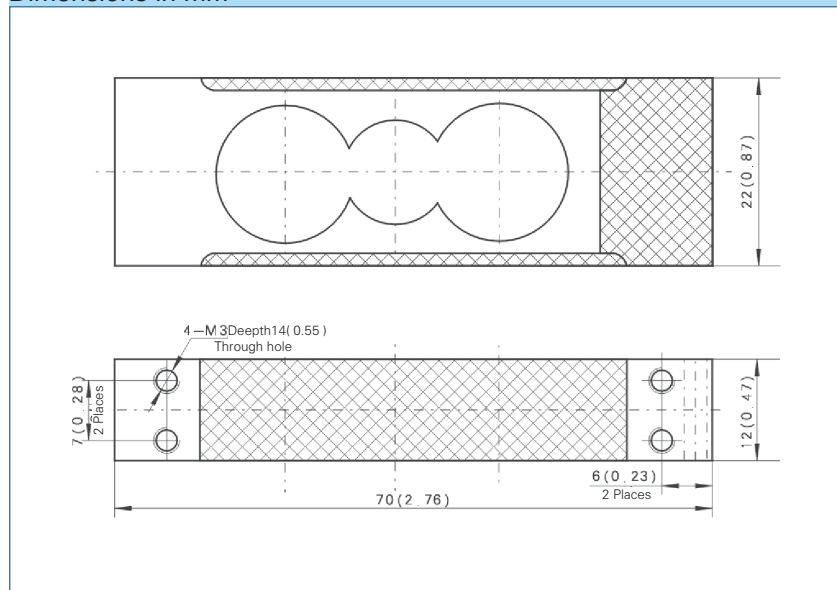
Available models

Capacity	Accuracy	Full article description
0.3 kg	C3D	L6J1-C3D-0.3kg-0.45B
0.4 kg	C3D	L6J1-C3D-0.4kg-0.45B
0.5 kg	C3D	L6J1-C3D-0.5kg-0.45B
0.6 kg	C3D	L6J1-C3D-0.6kg-0.45B
1 kg	C3D	L6J1-C3D-1kg-0.45B
3 kg	C3D	L6J1-C3D-3kg-0.45B

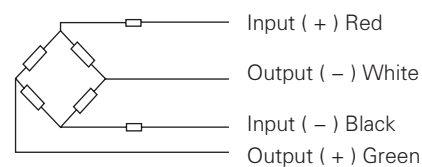
Specification

Accuracy class		C3D
Output sensitivity (= FS)	mV/V	1.0 ± 0.1
Maximum capacity (Emax)	kg	0.3, 0.4, 0.5, 0.6, 1, 3
Maximum number of load cell intervals (nLC)		2500
Ratio of minimum LC verification interval Y = Emax / vmin		5000
Combined error	%FS	± 0.0280
Minimum dead load	of Emax	0%
Safe overload	of Emax	120 %
Ultimate overload	of Emax	150 %
Zero balance	%FS	± 2.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	℃	-10 ~ +40
Temperature range, operating	℃	-35 ~ +65
Storage temperature	℃	-40 ~ +70
Element material		Aluminium
Recommended torque on fixation bolts	N.m	M3: 1.5
Ingress Protection (according to EN 60529)		IP65

Dimensions in mm



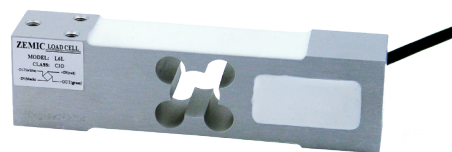
Wiring



- Shielded, 4 conductor cable.
- Cable Diameter: Φ3mm
- Standard cable length: 0.45m
- Shield not connected to element.
- Cable jacket is PVC

L6L

- Aluminum, parallel beam. Surface anodized, anti-corrosion.
- Ingress Protection (according to EN 60529): IP65
- Suitable for electronic pricing scales, electronic platform scales and other electronic weighing devices.



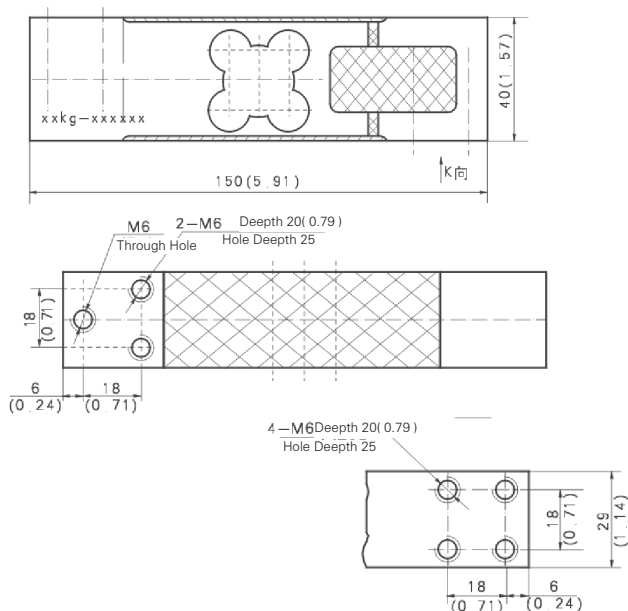
Available models

Capacity	Accuracy	Full article description
5kg-200kg	C3	L6L-C3-xxkg-1B

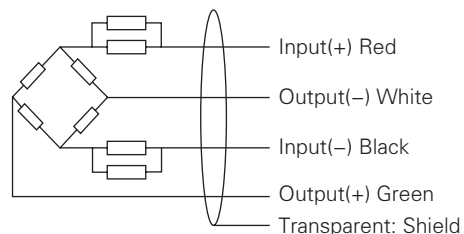
Specification

Maximum capacity (Emax)	kg	5/8/10/15/20/30/50/80/100/150/200
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Accuracy class		C3
Combined error	%FS	± 0.02
Creep	%FS/30min	± 0.02
Temperature effect on sensitivity	%FS/10°C	± 0.0175
Temperature effect on zero	%FS/10°C	± 0.02
Zero balance	%FS	± 2
Temperature, compensated	°C	-10~40
Temperature range, operating	°C	-35~65
Terminal resistance, input	Ω	406 ± 6
Terminal resistance, output	Ω	350 ± 3
Insulation impedance	MΩ	≥ 5000 (50VDC)
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150
Ingress protection (according to EN 60529)		IP65
Cable specification	mm	φ 5.3
Cable length	m	1
Recommended installation size	mm	400 × 400
Corner correction		0.02%load value/100mm

Dimensions in mm



Wiring



L6N



test certificate no. D09-06.11 Revision 1
C of C no R60/2000-CNI-06.04



Certificate no. 11-055

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 400 x 400 mm

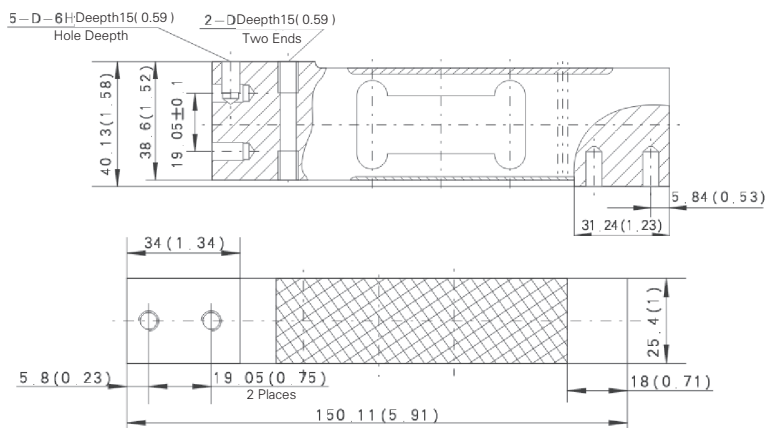
Available models

Capacity	Accuracy	Full article description
3 kg	C3	L6N-C3-3kg-3B6
5 kg	C3	L6N-C3-5kg-3B6
8 kg	C3	L6N-C3-8kg-3B6
10 kg	C3	L6N-C3-10kg-3B6
15 kg	C3/C4	L6N-C3/C4-15kg-3B6
20 kg	C3/C4	L6N-C3/C4-20kg-3B6
30kg	C3/C4	L6N-C3/C4-30kg-3B6
40kg	C3/C4	L6N-C3/C4-40kg-3B6
50kg	C3/C4	L6N-C3/C4-50kg-3B6
75kg	C3/C4	L6N-C3/C4-75kg-3B6
100kg	C3	L6N-C3-100kg-3B6

Specification

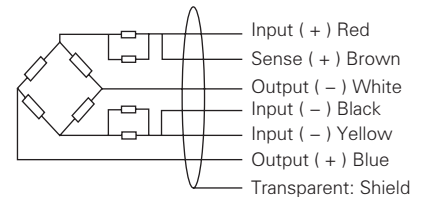
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	3, 5, 8, 10, 15, 20, 30, 40, 50, 75, 100	15, 20, 30, 50, 75
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		20000	
Combined error	%FS	± 0.02	± 0.015
Minimum dead load	of Emax	0%	
Safe overload	of Emax	120 %	
Ultimate overload	of Emax	150 %	
Zero balance	%FS	± 2.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	406 ± 6	
Terminal resistance, output	Ω	350 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Aluminium	
Recommended torque on fixation bolts	N.m	M6: 10	
Ingress Protection (according to EN 60529)		IP65	

Dimensions in mm



D	Metric	Imperial
	M6 × 1	1/4-20UNC-2B

Wiring



- Shielded, 6 conductor cable.
- Cable Diameter: Φ4.8mm
- Standard cable length: 3m
- Shield not connected to element.
- Cable jacket is PVC.

L6Q

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 400 x 400 mm



Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6Q-C3/C4-50kg-3B6
100 kg	C3/C4/C5	L6Q-C3/C4/C5-100kg-3B6
150 kg	C3/C4/C5	L6Q-C3/C4/C5-150kg-3B6
200 kg	C3/C4/C5	L6Q-C3/C4/C5-200kg-3B6
250 kg	C3/C4/C5	L6Q-C3/C4/C5-250kg-3B6



test certificate no. D09-07.06 and TC7969 Revision
0 C of C no R60/2000-NL1-11.22

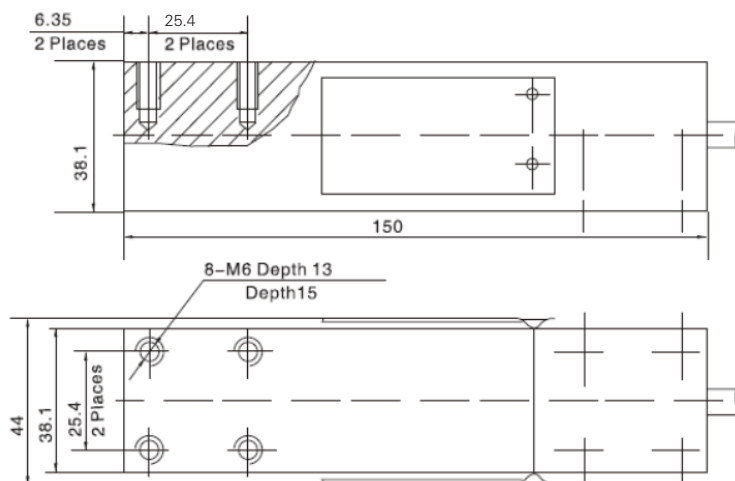


Certificate no. 11-104

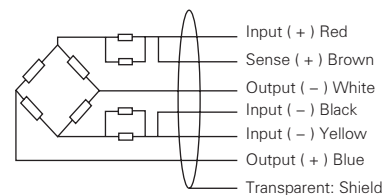
Specification

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	50, 100, 150, 200, 250	100, 150, 200, 250	
Maximum number of load cell intervals (nLC)		3000	4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000	20000
Combined error	%FS	± 0.02	± 0.015	± 0.01
Minimum dead load	kg	0		
Safe overload	of Emax	120 %		
Ultimate overload	of Emax	150 %		
Zero balance	%FS	± 2.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-20 ~ +50		
Storage temperature	°C	-40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	M6: 10		
Ingress Protection (according to EN 60529)		IP65		

Dimensions in mm

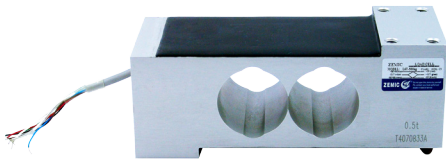


Wiring



- Shielded, 6 conductor cable.
- Cable diameter: $\Phi 4.8\text{mm}$.
- Standard cable length: 3m.
- Shield not connected to element.
- Cable jacket in PVC.

L6T



test certificate no. D09-10.23
C of C no R60/2000-DE1-10.11



Certificate no. 12-006

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 600 x 600 mm

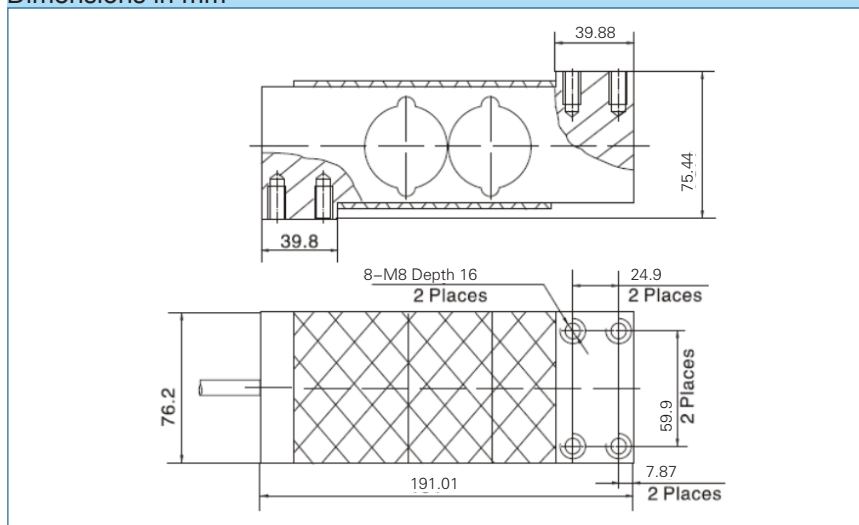
Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6T-C3/C4-50kg-3B6
75 kg	C3/C4	L6T-C3/C4-75kg-3B6
100 kg	C3/C4	L6T-C3/C4-100kg-3B6
150 kg	C3/C4	L6T-C3/C4-150kg-3B6
200 kg	C3/C4	L6T-C3/C4-200kg-3B6
250 kg	C3/C4	L6T-C3/C4-250kg-3B6
300kg	C3	L6T-C3-300kg-3B6
500kg	C3	L6T-C3-500kg-3B6
635kg	C3	L6T-C3-635kg-3B6
1000kg	C3	L6T-C3-1000kg-3B6

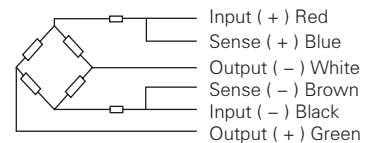
Specification

Accuracy class		OIML R60 C3		OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (Emax)	kg	50, 75, 100, 150, 200, 250	300, 500, 635, 1000	50, 75, 100, 150, 200, 250
Maximum number of load cell intervals (nLC)		3000		4000
Ratio of minimum LC verification interval Y = Emax / vmin		6500	15000	6500
Combined error	%FS	± 0.02		± 0.0150
Minimum dead load	of Emax	0%		
Safe overload	of Emax	120 %		
Ultimate overload	of Emax	150 %		
Zero balance	%FS	± 2.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	406 ± 6		
Terminal resistance, output	Ω	350 ± 3		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-20 ~ +50		
Storage temperature	°C	-40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation bolts	N.m	M8: 25		
Ingress Protection (according to EN 60529)		IP65		

Dimensions in mm



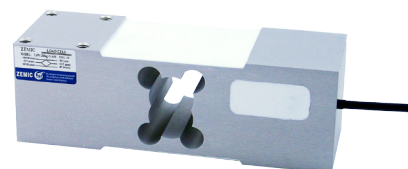
Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ4.8mm.
- Standard cable length: 3m.
- Shield not connected to element.
- Cable jacket in PVC.

L6W

- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single and double load cell structured platform scales.
- Maximum platform size: for 50kg–200kg: 600 x 600 mm
for 250kg–635kg: 600 x 800 mm



test certificate no. D09-06.12 Revision 0
C of C no R60/2000-CN1-06.03



Certificate no. 12-006

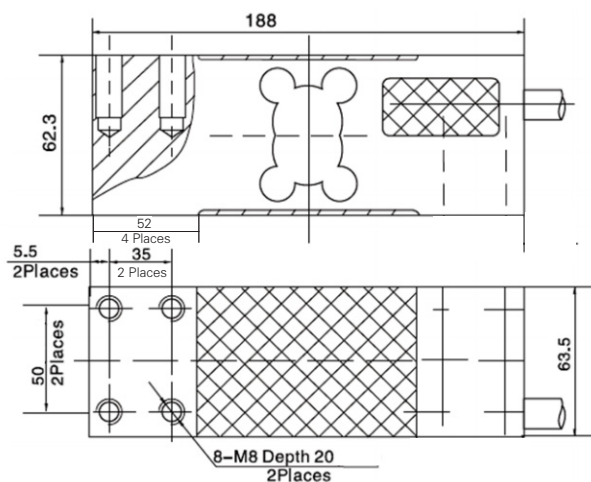
Available models

Capacity	Accuracy	Full article description
50 kg	C3	L6W-C3-50kg-3G6
70 kg	C3	L6W-C3-70kg-3G6
100 kg	C3	L6W-C3-100kg-3G6
150 kg	C3	L6W-C3-150kg-3G6
200 kg	C3	L6W-C3-200kg-3G6
250 kg	C3	L6W-C3-250kg-3G6
300kg	C3	L6W-C3-300kg-3G6
500kg	C3	L6W-C3-500kg-3G6
635kg	C3	L6W-C3-635kg-3G6

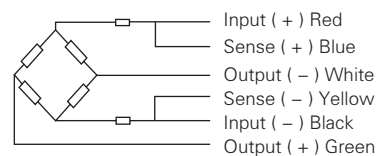
Specification

Accuracy class		OIML R60 C3	
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	50, 70, 100, 150, 200, 250, 300	500, 635
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		7000	10000
Combined error	%FS	± 0.02	
Safe overload	of Emax	120 %	
Ultimate overload	of Emax	150 %	
Zero balance	%FS	± 2.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	406 ± 6	
Terminal resistance, output	Ω	350 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Aluminium	
Recommended torque on fixation bolts	N.m	M8: 25	
Ingress Protection (acc. to EN 60529)		IP65	

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: $\Phi 4.7\text{mm}$.
- Standard cable length: 3m.
- Shield connected to element.
- Cable jacket in PU.

B8D



- Stainless steel IP67 shear beam load cell (250kg is bending beam load cells)
- Suitable for floor scales, automobile test facilities, hopper scales and other weighing devices.
- Current calibrated (sc-option)



test certificate no. TC8010 Revision 0 and D09-05.19
C of C no R60/2000-NL1-11.28 and R60/2000-CN1-06.05



Certificate no. 12-022

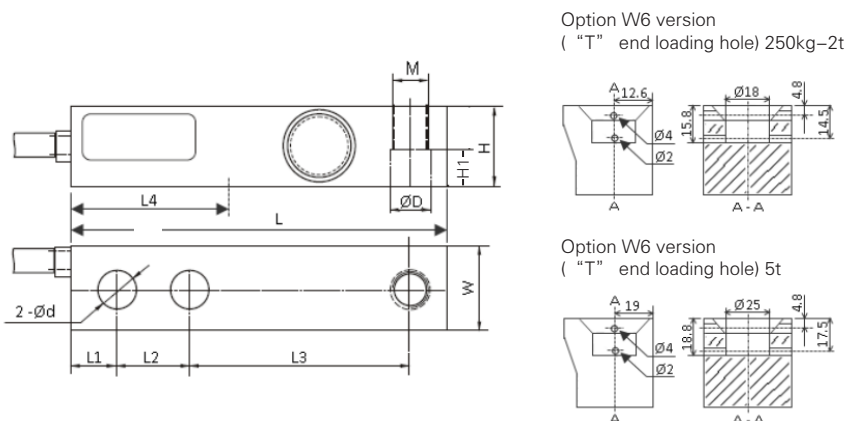
Available models

Capacity	Accuracy	Full article description
250 kg	C3/C4/C5	B8D-C3/C4/C5-250kg-6B(-W6)
0.5 t	C3/C4/C5	B8D-C3/C4/C5-500kg-6B(-W6)
1 t	C3	B8D-C3-1t-6B(-W6)
2 t	C3	B8D-C3-2t-6B(-W6)
5 t	C3	B8D-C3-5t-6B(-W6)

Specification

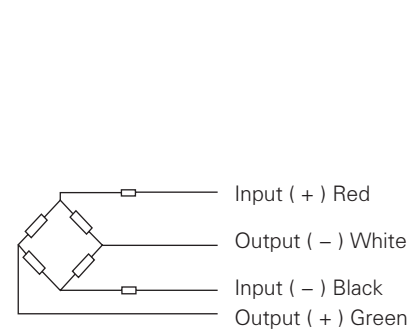
Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	3.0 ± 0.008		
Maximum capacity (Emax)	t	0.25	0.5, 1, 2	5
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = Emax / vmin		10000	7500	9000
Combined error	%FS	± 0.0230		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Recommended torque on fixation bolts	N.m	M12: 75 M20:450		
Ingress Protection (according to EN 60529)		IP67		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C	II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	L	L1	L2	L3	d	H	W	D	H1	M
0.25t	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.53)	28.4 (1.12)	30.7 (1.20)	13.4 (0.53)	14.22 (0.56)	M12
0.5t - 2t	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	13.46 (0.53)	31.32 (1.23)	31.32 (1.23)	13.4 (0.53)	15.75 (0.62)	M12
5t	171 (6.73)	19 (0.75)	38.1 (1.5)	95.2 (3.75)	20.65 (0.81)	36.8 (1.45)	36.8 (1.45)	20.65 (0.81)	19.05 (0.75)	M20X2.5

Wiring



- Shielded, 4 conductor cable
- Cable diameter: Φ5mm.
- Standard cable length: 6m
- Shield in not connected to the element.

Accessories

BY-8-104

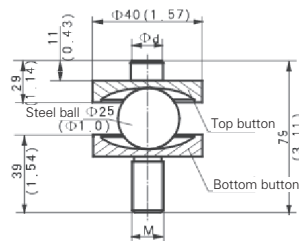
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BY-8-104-0.5/2t
2.5t-5t	BY-8-104-2.5/5t
250lb-5KSE	BY-8-104-250lb/5KSE
5klb-10klb	BY-8-104-5/10k

Short description

Easy installation, self-centralization with steel ball, good self-aligning ability.



Dimension Capacity	d	M
0.5t-2t	12	M12 × 1.75
250lb-5KSE	(0.47)	1/2-20UNF
2.5t-5t	20	M20 × 2.5
5klb-10klb	(0.79)	3/4-16UNF

BJ-8-202

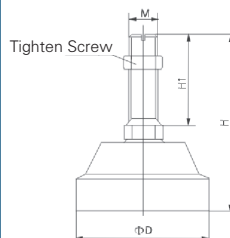
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-202-0.5/2t
2.5t-5t	BJ-8-202-2.5/5t
250lb-5KSE	BJ-8-202-250lb/5KSE
5klb-10klb	BJ-8-202-5/10K

Short description

Easy installation, height adjustable, anti-corrosion, self-centralization with steel ball, good anti-side loading ability.



Dimension Capacity	ΦD	H	H1	M
0.5t-2t	60	92	50	M12 × 1.75
250lb-5KSE	(2.36)	(3.62)	(1.97)	1/2-20UNF
2.5t-5t	80	105	50	M20 × 2.5
5K-10klb	(3.15)	(4.13)	(1.97)	3/4-16UNF

BJ-8-205

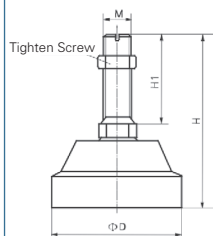
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-205-0.5/2t
250lb-5KSE	BJ-8-205-250lb/5KSE

Short description

Easy installation, height adjustable, anti-corrosion, self-centralization with steel ball, good anti-side loading ability.



Dimension Capacity	D	H	H1	M
0.5t-2t	80	105	50	M12 × 1.75
250lb-5KSE	(3.15)	(4.13)	(1.97)	1/2-20UNF

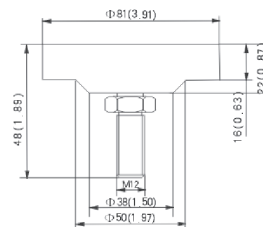
BJ-8-215

Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-215-0.5/2t

Easy installation, height adjustable, self-centralization, good anti-side loading ability.



BJ-8-219

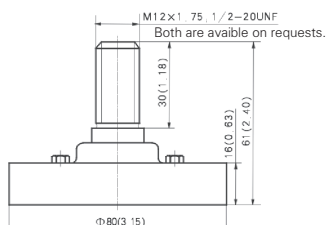
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-219-0.5/2t
250lb-5KSE	BJ-8-219-250lb/5KSE

Short description

Easy installation, self-centralization, good anti-side loading ability.



BJ-8-220

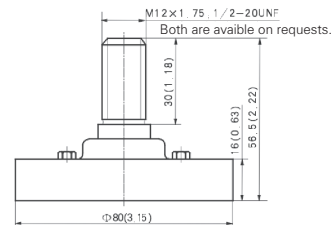
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-220-0.5/2t
250lb-5KSE	BJ-8-220-250lb/5KSE

Short description

Easy installation, self-centralization, good anti-side loading ability.



B8Q



test certificate no. TC7809 Revision 0
C of C no R60/2000-NL1-10.14 Revision 1



Certificate no. 12-029

- Stainless steel IP67 shear beam load cell
- Low profile
- Suitable for hopper, floor and other electronic scale

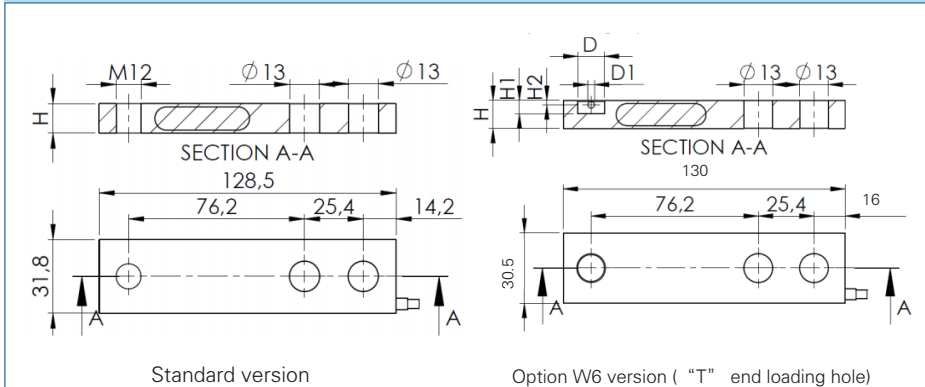
Available models

Capacity	Accuracy	Full article description
200 kg	C3 Excluded from OIML	B8Q-C3-200kg-3B
500kg	C3	B8Q-C3-500kg-3B
1000kg	C3	B8Q-C3-1000kg-3B
2000kg	C3	B8Q-C3-2000kg-3B

Specification

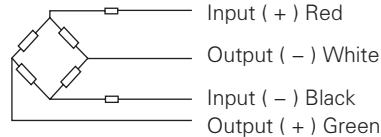
Accuracy class		C3	OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	kg	200	500, 1000, 2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin	Y	10000	15000
Combined error	%FS	± 0.0230	
Minimum dead load	of Emax	0%	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	1000 ± 5	1106 ± 5
Terminal resistance, output	Ω	1000 ± 3	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Recommended torque on fixation bolts	N.m	M12: 75	
Ingress Protection (according to EN 60529)		IP67	

Dimensions in mm



Capacity	H	H1	H2	D	D1
200 kg	12.7	6	2	Φ12.1	Φ3
500 kg	15.9	9.5	2.8	Φ18.1	Φ4
1000 kg	19.1	9.5	2.8	Φ18.1	Φ4
2000kg	25.4	9.5	2.8	Φ18.1	Φ4

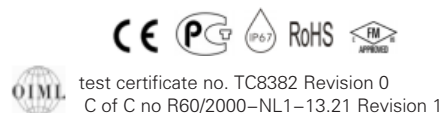
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 3m.
- Shield not connected to element.

H8Q

- Nickel plated alloy steel IP67 shear beam load cell
- Low profile
- Suitable for hopper, floor and other electronic scales
- High accuracy



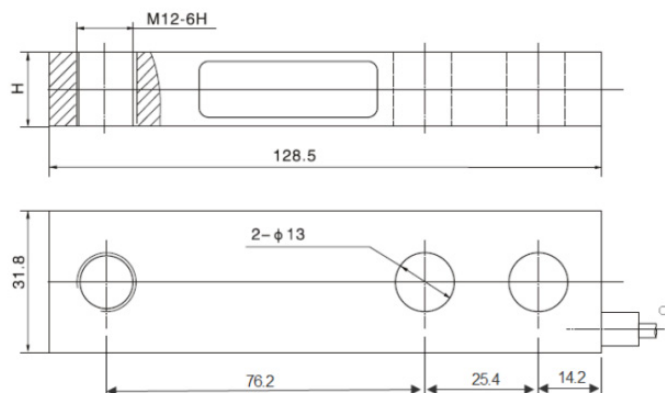
Available models

Capacity	Accuracy	Full article description
200kg	C3	H8Q–C3–200kg–3B
500kg	C3	H8Q–C3–500kg–3B
1000kg	C3	H8Q–C3–1000kg–3B
2000kg	C3 Excluded from OIML	H8Q–C3–2000kg–3B

Specification

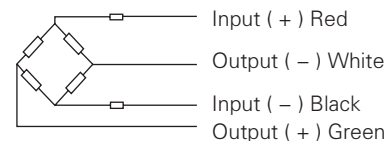
Accuracy class		OIML R60 C3	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	kg	200, 500, 1000	2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin	Y	15000	10000
Combined error	%FS	± 0.0230	
Minimum dead load	of Emax	0%	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	1000 ± 5 (200kg) / 1106 ± 5	
Terminal resistance, output	Ω	1000 ± 5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	–10 ~ +40	
Temperature range, operating	°C	–35 ~ +65	
Storage temperature	°C	–40 ~ +70	
Element material		Nickel plated alloy steel	
Recommended torque on fixation bolts	N.m	M12: 75	
Ingress Protection (according to EN 60529)		IP67	

Dimensions in mm



Capacity	H
200 kg	12.7
500 kg	15.9
1000 kg	19.1
2000kg	25.4

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 3m.
- Shield not connected to element.

BM8D



OIML test certificate no. TC7869 Revision 2
C of C no R60/2000-NL1-12.11



Certificate no. 10-056A1

- Stainless steel shear beam load cell (150kg and 300 kg are bending beam load cells)
- Hermetically sealed IP68
- Suitable for floor scales, vehicle-test line, hopper scales and other electronic weighing devices
- High accuracy
- Wide range of capacities

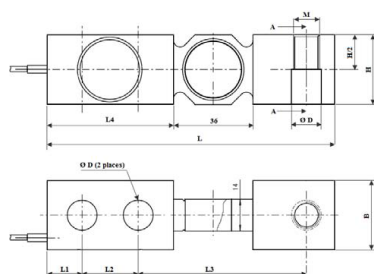
Available models

xxkg	C3/C5/C6/A5M/B10S/B10M	BM8D-xx-xxkg-6B
xxt	C3/C5/C6/A5M/B10S/B10M	BM8D-xx-xxt-6B
xxlb	A5M/B10S/B10M	BM8D-xx-xx-6YB
xxklb	A5M/B10S/B10M	BM8D-xx-xxK-6YB
50kg-300kg approved by OIML C3. 3.0t-15t approved by OIML C5. 500kg-2.5t approved by OIML C6. 500KG-10t (1klb-20Klb) S1 type approved by NTEP A5S/A5M/B10S/B10M.		

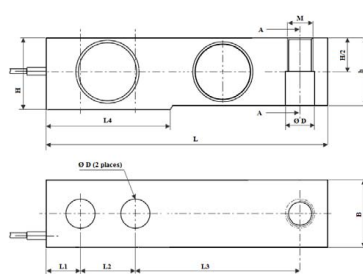
Specification

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5	OIML R60 C6
Output sensitivity (= FS)	mV/V	2.0 ± 0.004			3.0 ± 0.008
Maximum capacity (Emax)	t	0.15, 0.3, 0.5, 1, 1.5, 2, 2.5, 3, 5, 7.5, 10			
Maximum number of load cell intervals (nLC)	N.max	3000	4000	5000	6000
Ratio of minimum LC verification interval Y = Emax / vmin	Y	10000	15000	20000	20000
Combined error	%FS	± 0.0230	± 0.0175	± 0.0140	± 0.0116
Minimum dead load	of Emax	0%			
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	350 ± 3.5			
Terminal resistance, output	Ω	350 ± 3.5			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	°C	-10 ~+40			
Temperature range, operating	°C	-35 ~ +65			
Storage temperature	°C	-40 ~ +70			
Element material		Stainless steel			
Recommended torque on fixation bolts	N.m	M12: 75	M20:450	M24:750	
Ingress Protection (according to EN 60529)		IP68			
ATEX classification (optional)		II1G Ex ia IIC T4		II1D Ex iaD 20 T73°C C	II3G Ex nL IIC T4

Dimensions in mm



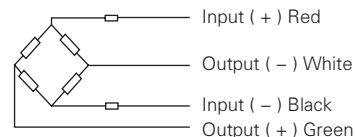
100kg-300kg (Bending)



Other capacities (Shear)

Dimension Capacity	L	L1	L2	L3	L4	B	H	h	ΦD	ΦD1	Φd1	Φd2	M
0.15t~0.3t						31.3 (1.23)		-					
0.5t	130 (5.12)	15.7 (0.62)	25.4 (1.0)	76.2 (3.0)	57.1 (2.25)	31.1 (1.22)	31.3 (1.23)	24.8 (0.98)	13.5 (0.53)	18 (0.71)	4 (0.16)	2 (0.08)	M12
1t						31.3 (1.23)		26.0 (1.024)					
1.5t-2t						31.3 (1.23)		28.0					
2.5t-5t	171 (6.75)	19 (0.75)	38.1 (1.5)	95.2 (3.75)	76.2 (1.024)		36.8 (1.45)	34.8 (1.37)	20.5 (0.81)	25 (0.98)	4 (0.16)	2 (0.08)	M20
7.5t~10t	222 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (1.024)	49.5 (1.95)	49.5 (1.95)	47.5 (1.87)	26.9 (1.06)	-	-	-	M24

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 5m.
- Shield not connected to element.

Accessories

BY-8-104

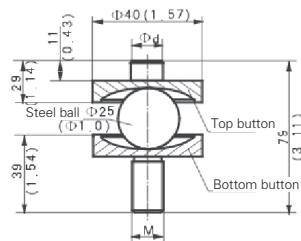
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BY-8-104-0.5/2t
2.5t-5t	BY-8-104-2.5/5t
250lb-5KSE	BY-8-104-250lb/5KSE
5klb-10klb	BY-8-104-5/10k

Short description

Easy installation, self-centralization with steel ball, good self-aligning ability.



Dimension Capacity	d	M
0.5t-2t	12	M12 × 1.75
250lb-5KSE	(0.47)	1/2-20UNF
2.5t-5t	20	M20 × 2.5
5klb-10klb	(0.79)	3/4-16UNF

BJ-8-202

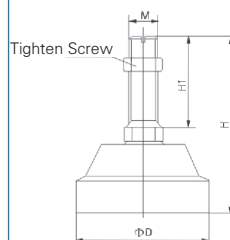
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-202-0.5/2t
2.5t-5t	BJ-8-202-2.5/5t
250lb-5KSE	BJ-8-202-250lb/5KSE
5klb-10klb	BJ-8-202-5/10k

Short description

Easy installation, height adjustable, anti-corrosion, self-centralization with steel ball, good anti-side loading ability.



Dimension Capacity	ΦD	H	H1	M
0.5t-2t	60	92	50	M12 × 1.75
250lb-5KSE	(2.36)	(3.62)	(1.97)	1/2-20UNF
2.5t-5t	80	105	50	M20 × 2.5
5K-10klb	(3.15)	(4.13)	(1.97)	3/4-16UNF

BJ-8-205

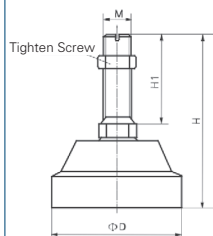
Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-205-0.5/2t
250lb-5KSE	BJ-8-205-250lb/5KSE

Short description

Easy installation, height adjustable, anti-corrosion, self-centralization with steel ball, good anti-side loading ability.



Dimension Capacity	D	H	H1	M
0.5t-2t	80	105	50	M12 × 1.75
250lb-5KSE	(3.15)	(4.13)	(1.97)	1/2-20UNF

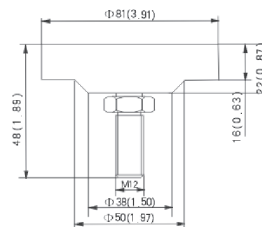
BJ-8-215

Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-215-0.5/2t

Short description Easy installation, height adjustable, self-centralization, good anti-side loading ability.



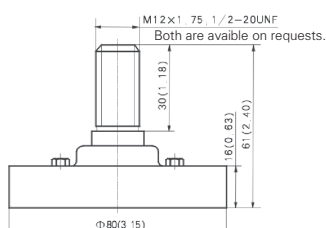
BJ-8-219

Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-219-0.5/2t
250lb-5KSE	BJ-8-219-250lb/5KSE

Short description Easy installation, self-centralization, good anti-side loading ability.



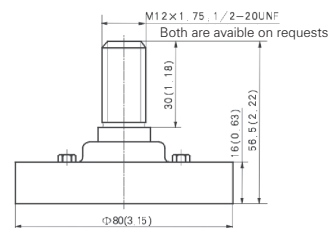
BJ-8-220

Stainless steel mounting kits, assembled with: BM8D, B8D.



Capacity	Part number
0.5t-2t	BJ-8-220-0.5/2t
250lb-5KSE	BJ-8-220-250lb/5KSE

Short description Easy installation, self-centralization, good anti-side loading ability.



BM8G



test certificate no. D09-07.22
C of C no R60/2000-DE1-10.07

- Stainless steel IP68 shear beam load cell
- Hermetically sealed
- Robust and wide mounting surface
- Suitable for harsh environment
- Current calibrated (sc-option)

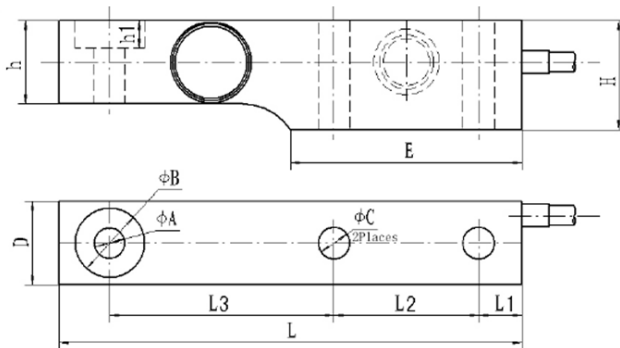
Available models

Capacity	Accuracy	Full article description
500kg	C3/C4	BM8G-C3/C4-500kg-5B-SC
1t	C3/C4	BM8G-C3/C4-1t-5B-SC
2t	C3/C4	BM8G-C3/C4-2t-5B-SC
5t	C3	BM8G-C3-5t-5B-SC
7.5t	C3	BM8G-C3-7.5t-5B-SC-W2
10t	C3	BM8G-C3-10t-5B-SC

Specification

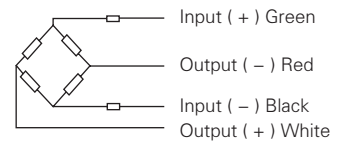
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	0.5, 1, 2, 5, 7.5, 10	0.5, 1, 2
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	of Emax	0 %	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 15(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	350 ± 3.5	
Terminal resistance, output	Ω	350 ± 3.5	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Recommended torque on fixation bolts	N.m	M12: 100	M20:450 M24:750
Ingress Protection (according to EN 60529)		IP68	

Dimensions in mm



Capacity	Dimension											
	A	B	C	D	E	L	L1	L2	L3	H	h	h1
0.5t, 1t, 2t	17.48 (0.69)	30.3 (1.19)	13.9 (0.55)	36.5 (1.44)	101.6 (4.00)	203.2 (8.00)	19.05 (0.75)	63.5 (2.50)	98.43 (3.88)	47.63 (1.88)	36.5 (1.44)	11.8 (0.46)
5t & 7.5t -W2	25.5 (1.00)	41.4 (1.63)	22.23 (0.88)	47.36 (1.86)	111 (4.37)	235 (9.25)	20.62 (0.81)	66.7 (2.63)	123.8 (4.87)	50 (1.97)	47.64 (1.88)	15.75 (0.62)
10t	25.5 (1.00)	41.3 (1.63)	25 (0.98)	55 (2.17)	111 (4.37)	235 (9.25)	20.62 (0.81)	66.7 (2.63)	123.8 (4.87)	50 (1.97)	58.6 (2.30)	15.75 (0.62)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 5m
- Shield not connected to element.

Accessories

BJ-8-206

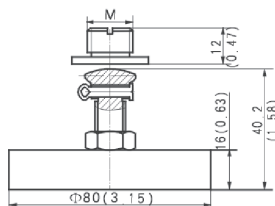
Stainless steel foot, assembled with: BM8H, H8H.



Capacity	Part number
0.25-2t	BJ-8-206-0.25/2t
500lb-4klb	BJ-8-206-500lb/4K

Short description

Easy installation, self-centralization, anti-side loading and height adjustable.



Capacity	M
0.25t-2t	M12 × 1.75
500lb-4klb	1/2-20UNF

BJ-8-207

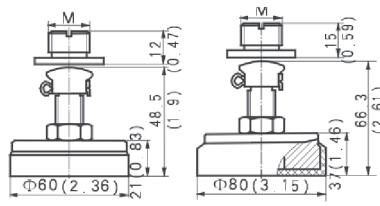
Stainless steel foot, assembled with: BM8H, H8H.



Capacity	Part number
0.25t-2t	BJ-8-207-0.25/2t
5t	BJ-8-207-5t
500lb-4klb	BJ-8-207-500lb/4K
10klb	BJ-8-207-10K

Short description

Easy installation, self-centralization, anti-side loading and height adjustable.



Capacity	M
0.25t-2t	M12 × 1.75
5t	M20 × 2.5
500lb-4klb	1/2-20UNF
10klb	3/4-16UNF

HJ-8-217

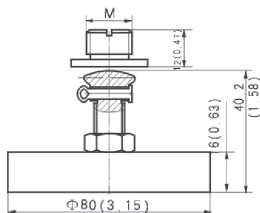
Alloy steel foot with rubber, assembled with: BM8H, H8H.



Capacity	Part number
0.25-2t	HJ-8-217-0.25/2t
500lb-4klb	HJ-8-217-500lb/4K

Short description

Easy installation, self-centralization, anti-side loading and height adjustable.



Capacity	M
0.25-2t	M12 × 1.75
500lb-4klb	1/2-20UNF

HJ-8-218

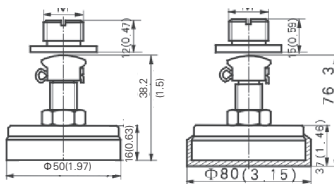
Alloy steel foot with rubber, assembled with: BM8H, H8H.



Capacity	Part number
0.25t-2t	HJ-8-218-0.25/2t
5t	HJ-8-218-5t
500lb-4klb	HJ-8-218-500lb/4K
10klb	HJ-8-218-10K

Short description

Easy installation, self-centralization, anti-side loading and height adjustable.



Capacity	M
250kg-2t	M12 × 1.75
5t	M20 × 2.5
500lb-4klb	1/2-20UNF
10klb	3/4-16UNF

BM-8-406

Stainless steel foot, assembled with: BM8H, H8H.



Capacity	Part number
0.25-2t	BM-8-406-0.25/2t
5t	BM-8-406-5t

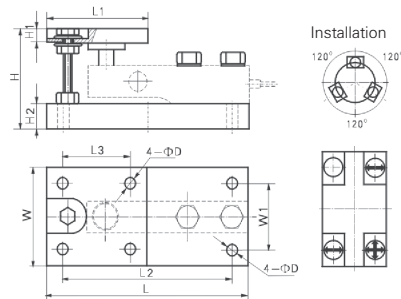
Short description

- Compact construction, easy installation.
- Excellent anti-reversal ability.
- Anti-over loading ability.
- Good self-aligning ability.

Optional table		
Part number	Designation	Graphic
HM-8-401-1	Fixed	○
HM-8-401-2	Half-floating	⊕
HM-8-401-3	Floating	⊗

Capacity	0.25-2t 0.5-5klb	5t 10klb
Dimension		
L	177.8(7.0)	235(9.25)
L1	114.3(4.5)	152.4(6.0)
L2	152.4(6.0)	184.2(7.25)
L3	88.9(3.5)	101.6(4.0)
H	104.8(4.13)	136.5(5.37)
H1	25.4(1.0)	32(1.26)
H2	19(0.75)	25.4(1.0)
W	114.3(4.5)	152.4(6.0)
W1	88.9(3.5)	101.6(4.0)
D	11(0.43)	17.5(0.69)

Specifications			
Capacity	t	0.25-2	5
Max. horizontal displacement	%FS	150	150
Max. anti-rotation	mm	± 2.5	± 3.5
Material	KN	3	10



H8

- Nickel plated alloy steel IP67 shear beam load cell
- Suitable for truck-, track and hopper scales
- Suitable for hazardous locations

Available models

Capacity	Accuracy	Full article description
500kg	C3 Excluded from OIML	H8-C3-500kg-4B6
1t	C3 Excluded from OIML	H8-C3-1t-4B6
2t	C3 Excluded from OIML	H8-C3-2t-4B6
2.5t	C3 Excluded from OIML	H8-C3-2.5t-4B6
3t	C3 Excluded from OIML	H8-C3-3t-4B6
5t	C3	H8-C3-5t-4B6
10t	C3	H8-C3-10t-4B6
15t	C3	H8-C3-15t-4B6
20t	C3	H8-C3-20t-4B6
25t	C3	H8-C3-25t-4B6
30t	C3	H8-C3-30t-4B6
50t	C3	H8-C3-50t-4B6



test certificate no. D09-05.20
C of C no R60/2000-CN1-06.09

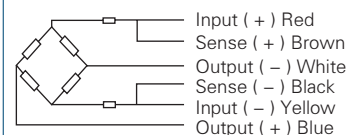
Specification

Specification		C3	OIML R60 C3		
Accuracy class					
Output sensitivity (= FS)	mV/V	2.0 ± 0.002			
Maximum capacity (Emax)	t	0.5, 1, 2, 2.5, 3	5, 10, 15, 20	25, 30, 50	
Maximum number of load cell intervals (nLC)		3000			
Ratio of minimum LC verification interval Y = Emax / vmin		10000			
Combined error	%FS	± 0.023			
Minimum dead load	of Emax	0%			
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 1.5			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	350 ± 3.5			
Terminal resistance, output	Ω	351 ± 2			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	°C	-10 ~ +40			
Temperature range, operating	°C	-35 ~ +65			
Storage temperature	°C	-40 ~ +70			
Element material		Nickel plated alloy steel			
Recommended torque on fixation bolts	N.m	M12: 75	M14:120	M20:450	M27:1075 M33:1975
Ingress Protection (according to EN 60529)		IP67			
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4	

Dimensions in mm

Dimension	H1	H2	H3	ΦD1	ΦD2	Φd	W	L	L1	L2	L3	L4	L5	L6
Capacity														
0.5t-2t	43 (1.69)	37 (1.46)	12.5 (0.49)	16 (0.63)	32 (1.26)	13 (0.51)	37 (1.46)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	-	-
2.5t	43 (1.69)	37 (1.46)	12.5 (0.49)	16 (0.63)	32 (1.26)	15 (0.59)	37 (1.46)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	-	-
3t	43 (1.69)	37 (1.46)	12.5 (0.49)	16 (0.63)	32 (1.26)	15 (0.59)	37 (1.46)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	-	-
5t	52 (2.05)	48 (1.89)	12.5 (0.49)	22 (0.87)	38 (1.50)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.60)	-	-
10t	67 (2.64)	60 (2.36)	8.5 (0.33)	32 (1.26)	48 (1.89)	28 (1.10)	60 (2.36)	279 (10.98)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.23)	-	-
15t	67 (2.64)	60 (2.36)	8.5 (0.33)	32 (1.26)	54 (2.13)	28 (1.10)	60 (2.36)	279 (10.98)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.23)	-	-
20t, 25t	82.5 (3.25)	70 (2.76)	10 (0.39)	38 (1.50)	54 (2.13)	34 (1.34)	70 (2.76)	318 (12.51)	153 (6.02)	38 (1.50)	159 (6.26)	89 (3.50)	-	-
30t	115 (4.53)	90 (3.54)	14 (0.55)	38 (1.50)	54 (2.13)	26 (1.02)	96 (3.78)	374 (14.72)	189 (7.44)	44.5 (1.75)	181 (7.13)	76 (2.99)	51 (2.01)	46 (1.81)
50t	143 (5.63)	100 (3.94)	14 (0.55)	44 (1.73)	60 (2.36)	29 (1.14)	105 (4.13)	416 (16.38)	210 (8.27)	48 (1.89)	196 (7.72)	92 (3.62)	56 (2.20)	52 (2.05)

Wiring



- Shielded, 6 conductor cable
- Cable diameter: Φ6.2mm.
- Standard cable length for 0.5t - 2t: 4m, for 5t: 6.5m and for 10t - 50t: 12m.
- Shield in not connected to the element

H8C



test certificate no. TC8012 Revision 1
C of C no R60/2000-NL1-12.12



Certificate no. 12-028

- Nickel plated alloy steel IP67 shear beam load cell
- (100 kg, 250kg are bending beam load cells)
- Adhesive sealed
- Suitable platform weighing, bed weighing, etc.
- High accuracy
- High reliability
- Current calibrated (sc-option)

Available models

Capacity	Accuracy	Full article description
100kg	C3/C4/C5	H8C-C3/C4/C5-100kg-4B(-SC-W6)
250kg	C3/C4/C5	H8C-C3/C4/C5-250kg-4B(-SC-W6)
500kg	C3/C4/C5	H8C-C3/C4/C5-500kg-4B(-SC-W6)
1t	C3/C4/C5	H8C-C3/C4/C5-1t-4B(-SC-W6)
1.5t	C3/C4/C5	H8C-C3/C4/C5-1.5t-4B(-SC-W6)
2t	C3/C4/C5	H8C-C3/C4/C5-2t-4B(-SC-W6)
2.5t	C3/C4/C5	H8C-C3/C4/C5-2.5t-4B(-SC-W6)
3t	C3/C4/C5	H8C-C3/C4/C5-3t-4B(-SC-W6)
5t	C3/C4/C5	H8C-C3/C4/C5-5t-4B(-SC-W6)
10t	C3/C4/C5	H8C-C3/C4/C5-10t-4B(-SC-W6)

Specification

Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	3.0 ± 0.003, 2.0 ± 0.002		
Maximum capacity (Emax)	t	0.1, 0.25, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10	0.1, 0.25, 0.5, 1, 1.5, 2, 2.5, 3, 5, 10	3, 5, 10
Maximum number of load cell intervals (nLC)		3000	4000	5000
Ratio of minimum LC verification interval Y = Emax / vmin	Y	10.000	15.000	20.000 18.000
Combined error	%FS	± 0.023	± 0.0175	± 0.014
Minimum dead load	kg	0		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	350 ± 3.5		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +80		
Element material		Nickel plated alloy steel		
Recommended torque on fixation bolts	N.m	M12: 100	M18:200	M24:700
Ingress Protection (according to EN 60529)		IP67		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm

FIG. 10-10

Technical drawings of four types of lifting eyes:

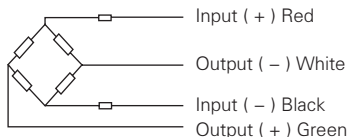
- H8C-***-***-B**: Side view showing dimensions L, L1, L2, L3, L4, H, H1, W, W1, D, d, and M. Front view showing 2-φD 通孔.
- H8C-***-***-WB**: Side view showing dimensions L, L1, L2, L3, L4, H, H1, W, W1, D, d, and M. Front view showing 2-φD 通孔.
- H8C-XX-500kg-XB**: Side view showing dimensions L, L1, L2, L3, L4, H, H1, W, W1, D, d, and M. Front view showing 2-φD 通孔.
- H8C-XX-500kg-XWB**: Side view showing dimensions L, L1, L2, L3, L4, H, H1, W, W1, D, d, and M. Front view showing 2-φD 通孔.

Dimension Capacity	L	L1	L2	L3	L4	H
1t-2t	130.0 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)
1K-4K	130.0 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)
5KSE	130.0 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)
2.5t-5t	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)
5K-10K	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)
10t	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)
20K	222.3 (8.75)	25.4 (1.0)	50.8 (2.0)	120.7 (4.75)	101.6 (4)	50.8 (2.0)

Dimension Capacity	H1	W	W1	D	d	M
1t-2t	15.8 (0.62)	31.8 (1.25)	34.0 (1.34)	13.5 (0.53)	13.5 (0.53)	M12 × 1.75
1K-4K	15.8 (0.62)	31.8 (1.25)	34.0 (1.34)	13.5 (0.53)	13.5 (0.53)	1/2-20UNF
5KSE	15.8 (0.62)	31.8 (1.25)	34.0 (1.34)	13.5 (0.53)	13.5 (0.53)	1/2-21UNF
2.5t-5t	18.8 (0.74)	38.1 (1.5)	40.0 (1.57)	19.8 (0.78)	19.8 (0.78)	M18 × 1.5
5K-10K	18.8 (0.74)	38.1 (1.5)	40.0 (1.57)	19.8 (0.78)	19.8 (0.78)	3/4-16UNF
10t	25.4 (1.0)	50.8 (2)	52.4 (2.06)	26.9 (1.06)	26.0 (1.02)	M24 × 2
20K	25.4 (1.0)	50.8 (2)	52.4 (2.06)	26.9 (1.06)	26.0 (1.02)	1-12UNF

Dimension Capacity	L	L1	L2	L3	L4	H	H1	W	W1	D	d	M
500kg	130.0 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	31.8 (1.25)	34.0 (1.34)	13.5 (0.53)	13.5 (0.53)	M12 × 1.75

Wiring

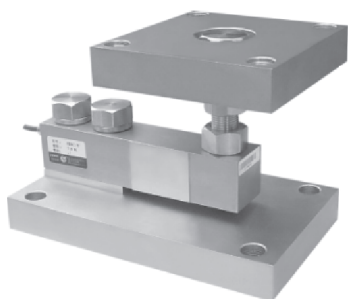


- Shielded, 4 conductor cable
- Cable diameter: Φ5mm.
- Standard cable length for 100kg – 2t: 4m and 6m for the higher capacities.
- Shield is not connected to the element.

Accessories

HM-8-402

Alloy steel, assembled with: H8C, B8D.

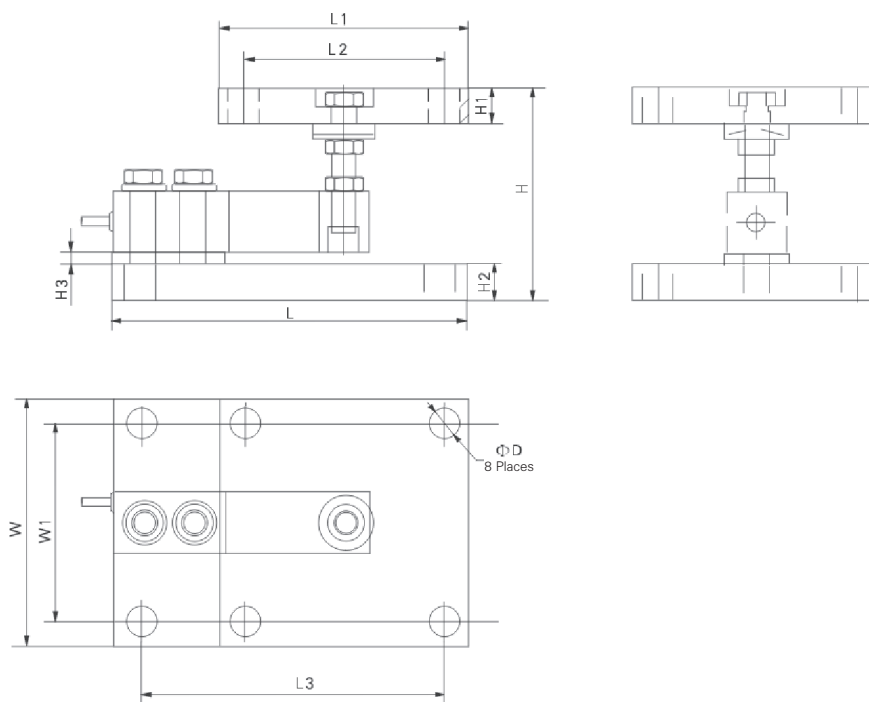


Capacity	Capacity
0.5t-2t	HM-8-402-0.5/2t
2.5t-5t	HM-8-402-2.5/5t
1klb-5KSE	HM-8-402-1/5KSE
5klb-10klb	HM-8-402-5/10K

Short description

- Compact construction, easy installation.
- Adjustable mounting height,
- Using under heavy static load or slight dynamic load.

Outline Dimension mm(inch)



Capacity(t)	Dimension	L	L1	L2	L3	H	H1	H2	H3	W	W1	D
0.5t-2t (1klb-5KSE)		180.9 (7.12)	127 (5.0)	101.6 (4.0)	152.4 (6.0)	100-120 (3.94-4.72)	18 (0.71)	18 (0.71)	4.0 (0.16)	127 (5.0)	101.6 (4.0)	16 (0.63)
2.5t-5t (5klb-10klb)		215.9 (8.5)	127 (5.0)	101.6 (4.0)	177.8 (7.0)	130-150 (5.12-5.91)	26 (1.02)	26 (1.02)	4.0 (0.16)	127 (5.0)	101.6 (4.0)	16 (0.63)

Accessories

HY-8-102

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D

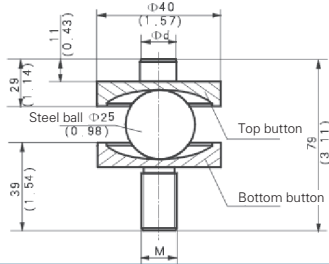


Short description

Easy installation, automatically centralized with steel ball, good self-aligning ability. Mainly used for platform scales, floor scales and other electronic weighing devices.

Capacity	Part number
0.5t-2t	HY-8-102-0.5/2t
2.5t-5t	HY-8-102-2.5/5t
250lb-5KSE	BY-8-104-250lb/5KSE
5klb-10klb	BY-8-104-5/10K

Dimension Capacity	Φd	M
0.5t-2t 250lb-5KSE	12 (0.47)	M12 × 1.75 1/2-20UNF
2.5t-5t 5klb-10klb	18 (0.71)	M18 × 1.5 3/4-16UNF



HY-8-105

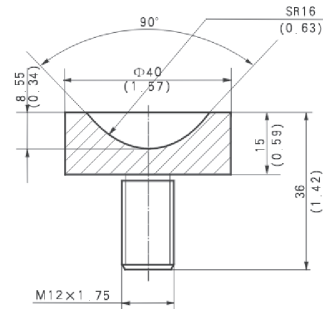
Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



Short description

Easy installation, good self-aligning ability. Mainly used for platform scales and other electronic weighing devices.

Capacity	Part number
0.5t-2t	HY-8-105-0.5/2t



HJ-8-201

Alloy steel, assembled with: H8C

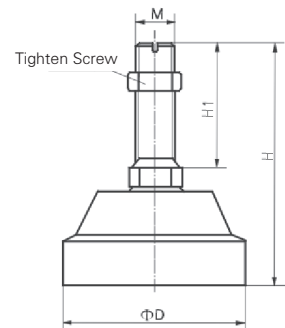


Capacity	Part number
0.5-2t	HJ-8-201-0.5/2t
(0.5-2t)-M1	HJ-8-201-0.5/2t-M1
2.5-5t	HJ-8-201-2.5/5t
(2.5-5t)-M1	HJ-8-201-2.5/5t-M1
250lb-5KSE	HJ-8-201-250lb/5KSE
5klb-10klb	HJ-8-201-5/10K
10t	HJ-8-201-10t
15klb-20klb	HJ-8-201-15/20K

Dimension Capacity	D	H	H1	M
0.5t-2t	60 (2.36)	92 (3.62)	50 (1.97)	M12 × 1.75 1/2-20UNF
2.5t-5t	80 (3.15)	105 (4.13)	50 (1.97)	M20 × 2.5 (Only for H8D) 3/4-16UNF
5klb-10klb	86 (3.39)	112 (4.41)	50 (1.97)	M24 × 12 1-12UNF
10t	60 (2.36)	92 (3.62)	50 (1.97)	M16 × 1.5
(0.5t-2t)-M1	60 (2.36)	92 (3.62)	50 (1.97)	M16 × 1.5
(2.5t-5t)-M1	60 (2.36)	92 (3.62)	50 (1.97)	M18 × 1.5 (Only for H8C)

Short description

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, and other electronic weighing devices.



HJ-8-203

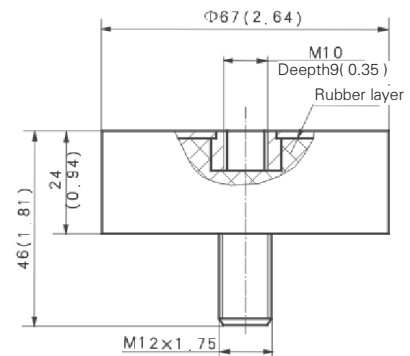
Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



Capacity	Part number
0.5t-2t	HJ-8-203-0.5/2t

Short description

Alloy steel with rubber inside, slightly adjustable of the slant, easy installation. Mainly used for platform scales, packaging scales, hybrid scales and other electronic weighing devices.



Accessories

HJ-8-208

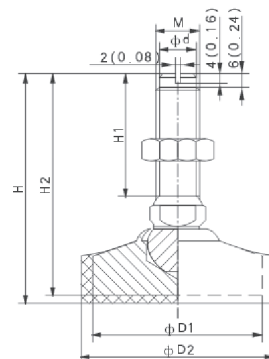


Short description

Easy installation, height adjustable, self-centralization, good anti-side loading ability.

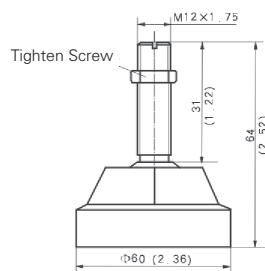
Capacity	Part number
0.5t-2t	HJ-8-208-0.5/2t
2.5t-5t	HJ-8-208-2.5/5t
250lb-5KSE	HJ-8-208-250lb/5KSE
5klb-10klb	HJ-8-208-5/10K

Number	Capacity	D1	D2	H1	H2	H	M	Assembled Products:
1	0.5-2t	48.5 (1.91)	60 (2.36)	42 (1.65)	69 (2.72)	74 (2.91)	M12 × 1.75	H8C
2	2.5-5t	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	M18 × 1.5	H8C
3	2.5-5t	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	M20 × 2.5	B8D
4	250lb-5KSE	48.5 (1.91)	60 (2.36)	42 (1.65)	69 (2.72)	74 (2.91)	1/2-20UNF	H8C
5	5klb-10klb	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	3/4-16UNF	H8C



HJ-8-213

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



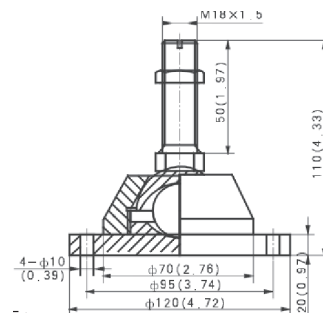
Capacity	Part number
0.5t-2t	HJ-8-213-0.5/2t

Short description

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.

HJ-8-216

Alloy steel, assembled with: H8C, B8D



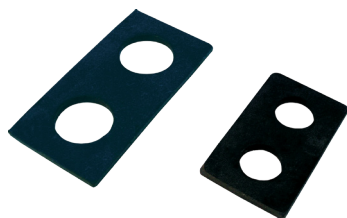
Capacity	Part number
2.5t-5t	HJ-8-216-2.5/5t

Short description

Easy installation, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, floor scales and other electronic weighing devices.

HD-8-301

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D

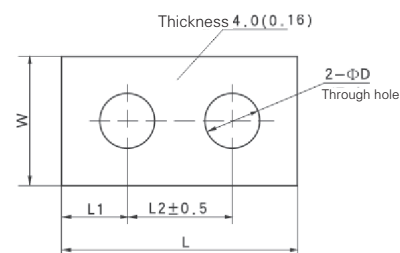


Capacity	Part number
0.5t-2t	HD-8-301-0.5/2t
2.5t-5t	HD-8-301-2.5/5t
250lb-5KSE	HD-8-301-250lb/5KSE
5klb-10klb	HD-8-301-5/10K

Short description

Mainly used for platform scales, floor scales and other electronic weighing devices.

Dimension	L	L1	L2	W	D
Capacity					
0.5t-2t (1klb-4klb)	54 (2.13)	13 (0.51)	25.4 (1.0)	32 (1.26)	14 (0.55)
2.5t-5t (5klb-10klb)	76 (2.99)	19 (0.75)	38 (1.50)	38 (1.50)	20 (0.79)



H8H



- Nickel plated alloy steel IP67 shear beam load cell
- Suitable for floor and hopper scales
- Suitable for hazardous locations

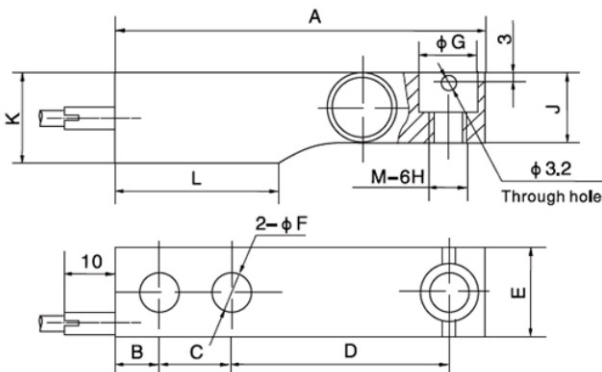
Available models

Capacity	Accuracy	Full article description
250 kg	C3	H8H-C3-250kg-4B
500 kg	C3	H8H-C3-500kg-4B
1t	C3	H8H-C3-1t-4B
2t	C3	H8H-C3-2t-4B
5t	C3	H8H-C3-5t-4B

Specification

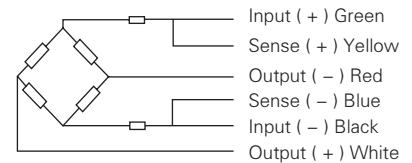
Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.004
Maximum capacity (Emax)	t	0.25, 0.5, 1, 2, 5
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.020
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	350 ± 3.5
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Nickel plated alloy steel
Ingress Protection (acc. To EN 60529)		IP67
Recommended torque on fixation bolts	N.m	M12: 75 M20:450
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C IIC Ex nL IIC T4

Dimensions in mm



Dimension Capacity	A	B	C	D	E	F	G	H	J	K	L
250 kg	130.0 (5.12)	15.5 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.5)	13 (0.51)	20.5 (0.81)	14.2 (0.55)	25.5 (1.00)	31.8 (1.24)	57.1 (2.25)
500 kg	130.0 (5.12)	15.5 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.5)	13 (0.51)	20.5 (0.81)	14.2 (0.55)	26 (1.02)	31.8 (1.24)	57.1 (2.25)
1t	130.0 (5.12)	15.5 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.5)	13 (0.51)	20.5 (0.81)	14.2 (0.55)	28 (1.10)	31.8 (1.24)	57.1 (2.25)
2t	130.0 (5.12)	15.5 (0.62)	25.4 (1.0)	76.2 (3.0)	31.8 (1.5)	13 (0.51)	20.5 (0.81)	14.2 (0.55)	32 (1.26)	35.9 (1.41)	57.1 (2.25)
5t	172 (6.77)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	38 (1.48)	20.5 (0.81)	30.2 (1.19)	20 (0.78)	40 (1.57)	44 (1.72)	76.2 (3.0)

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ6.2mm.
- Standard cable length: 6.5m.
- Shield not connected to element.

HM8

- Nickel plated alloy steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for truck, track, hopper and other electronic weighing devices

Available models

Capacity	Accuracy	Full article description
1t	C3 Excluded from OIML	HM8-C3-1t-6.5B6
2t	C3 Excluded from OIML	HM8-C3-2t-6.5B6
2.5t	C3 Excluded from OIML	HM8-C3-2.5t-6.5B6
3t	C3 Excluded from OIML	HM8-C3-3t-6.5B6
5t	C3	HM8-C3-5t-6.5B6
10t	C3	HM8-C3-10t-6.5B6
15t	C3	HM8-C3-15t-6.5B6
20t	C3	HM8-C3-20t-6.5B6
25t	C3 Excluded from OIML	HM8-C3-25t-6.5B6
30t	C3 Excluded from OIML	HM8-C3-30t-6.5B6



Specification

Accuracy class		C3	OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	1, 2, 2.5, 3, 30	5, 10, 15, 20, 25
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.020	
Minimum dead load	of Emax	0%	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	400 ± 5	
Terminal resistance, output	Ω	352 ± 3.0	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress Protection (acc. To EN 60529)		IP68	
Recommended torque on fixation bolts	N.m	M12: 100 M14:120 M20:500 M27:1075 M33:1975	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm

Dimension Capacity	H	H1	H2	H3	ΦD	Φd	W	L	L1	L2	L3	L4	L5	L6
1-2t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	13 (0.51)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
2.5 t	57.9 (2.28)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
3t	62.9 (2.48)	43 (1.69)	37 (1.47)	5 (0.2)	35 (1.38)	15 (0.59)	37 (1.47)	203 (7.99)	95 (3.74)	22 (0.87)	98 (3.86)	64 (2.52)	/	/
5t	78.7 (3.1)	52 (2.05)	48 (1.89)	8 (0.31)	42 (1.65)	21 (0.83)	48 (1.89)	235 (9.25)	110 (4.33)	22 (0.87)	124 (4.88)	66 (2.6)	/	/
10t,15t	127.7 (5.03)	67 (2.64)	60 (2.36)	12 (0.47)	57 (2.24)	28 (1.10)	60 (2.36)	278 (10.93)	133 (5.24)	32 (1.26)	140 (5.51)	82 (3.22)	/	/
20t,25t	143.5 (5.66)	82.5 (3.25)	70 (2.76)	12 (0.47)	70 (2.76)	34 (1.34)	70 (2.76)	318 (12.52)	153 (6.02)	38 (1.5)	159 (6.26)	88 (3.5)	/	/
30t	174 (6.85)	115 (4.53)	90 (3.54)	18 (0.71)	70 (2.76)	26 (1.02)	96 (3.78)	374 (14.72)	189 (7.44)	44.5 (1.75)	181 (7.13)	76 (2.99)	51 (2.01)	46 (1.81)

Wiring

Input (+) Red
Sense (+) Brown
Output (-) White
Sense (-) Black
Input (-) Yellow
Output (+) Blue

- Shielded, 6 conductor cable.
- Cable diameter: Φ6.2mm.
- Standard cable length: 6.5m.
- Shield not connected to element.

Accessories

HY-8-101



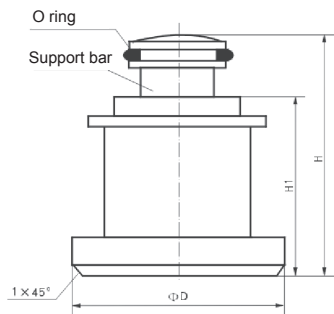
Alloy steel, assembled with: H8, HM8

Short description

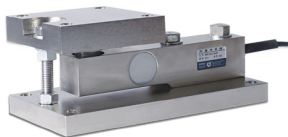
Easy installation, automatically centralized with steel ball, good self-aligning ability.
Mainly used for platform scale, floor scale and other electronic weighing devices.

Capacity	Part number
0.5t~3t	HY-8-101-0.5/3t
5t	HY-8-101-5t
10t~15t	HY-8-101-10/15t
20t~25t	HY-8-101-20/25t
30t	HY-8-101-30t
50t	HY-8-101-50t

Capacity Dimension	ΦD	H	H1
0.5t~3t	35(1.38)	44.9(1.77)	24.9(0.98)
5t	42(1.65)	56.7(2.23)	34.7(1.37)
10t~15t	57(2.24)	80.7(3.18)	66.7(2.63)
20t~25t	70(2.76)	85(3.35)	67(2.64)
30t	70(2.76)	91(3.58)	70(2.76)
50t	85(3.35)	102(4.04)	82(3.23)



HM-8-401



Short description

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability
- Using under heavy static load or slight dynamic load

Alloy steel, assembled with: H8, HM8

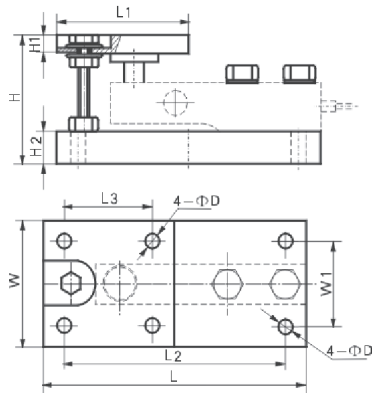
Capacity	Part number
0.5t~2t	HM-8-401-0.5/2t
2.5t~3t	HM-8-401-2.5/3t
5t	HM-8-401-5t
10t~15t	HM-8-401-10/15t
20t	HM-8-401-20t

Optional table		
Part number	Designation	Cutline
HM-8-401-1	Fixed	○
HM-8-401-2	Half-floating	⊕
HM-8-401-3	Floating	⊕

Specifications

Capacity	t	0.5~3	5	10~15	20
Ultimate load	%FS	150	150	150	150
Max.Horizontal displacement	mm	± 2	± 2.5	± 4	± 4
Max.anti-rotation	kN	3	10	30	50
Material	Alloy steel				

Capacity Dimension	0.5t~3t	5t	10t~15t	20t
L	240 (9.45)	300 (11.8)	355.6 (14.0)	406.4 (16.0)
L1	114.3 (4.5)	152.4 (6.0)	203.2 (8.0)	228.6 (9.0)
L2	214.6 (8.45)	249.2 (9.81)	304.8 (12.0)	342.9 (13.5)
L3	88.9 (3.5)	101.6 (4.0)	152.4 (6.0)	165.1 (6.5)
H	104.8 (4.13)	152.4 (6.0)	190.5 (7.5)	228.6 (9.0)
H1	25.4 (1.0)	42 (1.65)	44.5 (1.75)	50.8 (2.0)
H2	25.4 (1.0)	42 (1.65)	44.5 (1.75)	50.8 (2.0)
W	114.3 (4.50)	152.4 (6.0)	203.2 (8.0)	228.6 (9.0)
W1	88.9 (3.5)	101.6 (4.0)	152.4 (6.0)	165.1 (6.5)
D	11 (0.43)	17.5 (0.69)	20.6 (0.81)	25.5 (1.0)



HM8C

- Nickel plated alloy steel IP68 shear beam load cell
- Hermetically sealed
- Suitable for electronic platform scales, hopper scales
- High accuracy



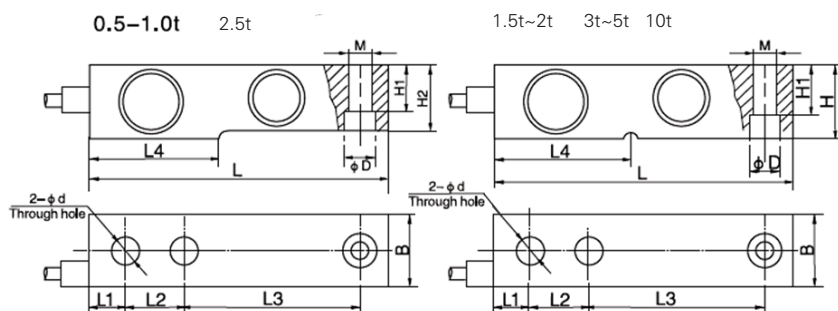
Available models

Capacity	Accuracy	Full article description
500kg	C3 Excluded from OIML	HM8C-C3-500kg-4B
1t	C3 Excluded from OIML	HM8C-C3-1t-4B
1.5t	C3 Excluded from OIML	HM8C-C3-1.5t-4B
2t	C3 Excluded from OIML	HM8C-C3-2t-4B
3t	C3 Excluded from OIML	HM8C-C3-3t-4B
5t	C3 Excluded from OIML	HM8C-C3-5t-4B
10t	C3 Excluded from OIML	HM8C-C3-10t-4B

Specification

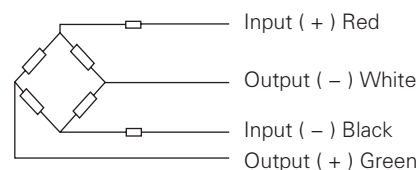
Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.004
Maximum capacity (Emax)	t	0.5, 1, 1.5, 2, 3, 5, 10
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.0230
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.5
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	351 ± 2.0
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Nickel plated alloy steel
Ingress Protection (acc. to EN 60529)		IP68
Recommended torque on fixation bolts	N.m	M12: 100 M18: 300 M24: 750
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity(t)	L	L1	L2	L3	L4	H	H1	H2	B	ΦD	Φd	M
0.5	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	26 (1.02)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.0	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	53.7 (2.11)	31.8 (1.25)	15.8 (0.62)	28 (1.1)	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
1.5-2	130 (5.12)	15.8 (0.62)	25.4 (1.0)	76.2 (3.0)	54.2 (2.13)	31.8 (1.25)	15.8 (0.62)	-	31.8 (1.25)	13.5 (0.53)	13.5 (0.53)	M12
2.5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	76.2 (3.0)	38.1 (1.5)	18.8 (0.74)	34 (1.34)	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18
3-5	171.5 (6.75)	19.1 (0.75)	38.1 (1.5)	95.3 (3.75)	77.2 (3.04)	38.1 (1.5)	18.8 (0.74)	-	38.1 (1.5)	19.8 (0.78)	19.8 (0.78)	M18
10	222.3	25.4 (1.0)	50.8 (2.0)	120.3 (4.74)	101.6 (4.0)	50.8 (2.0)	25.4 (1.0)	-	50.8 (2.0)	26 (1.02)	26 (1.02)	M24

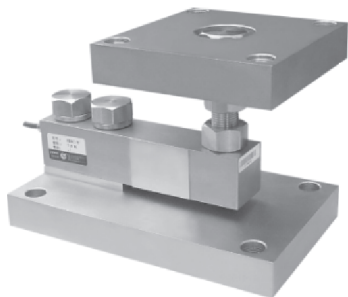
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length for 500kg -2t:4m and for 3t - 10t: 6m.
- Shield not connected to element.

HM-8-402

Alloy steel,assembled with:H8C,B8D.

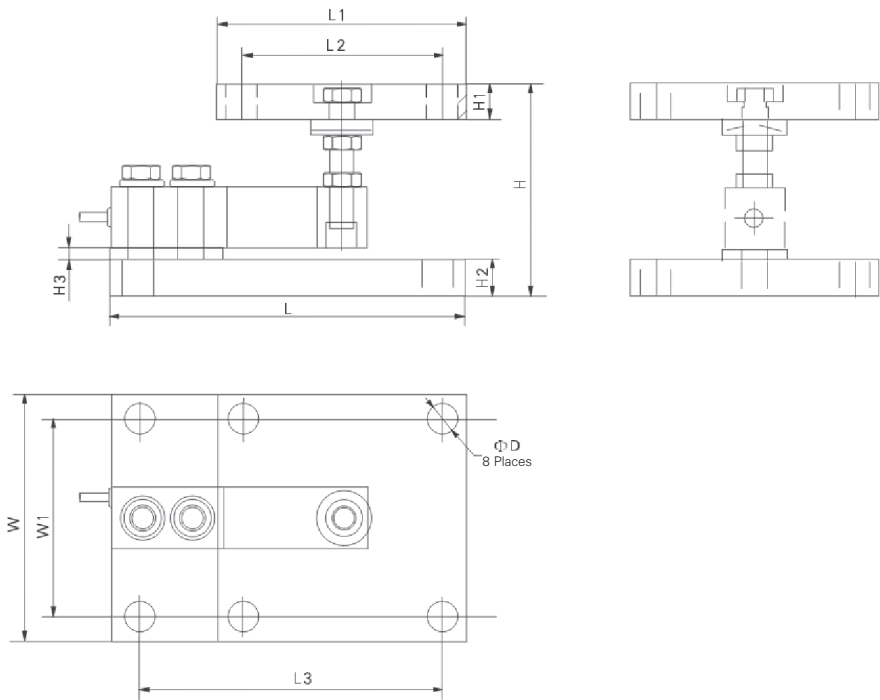


Capacity	Capacity
0.5t-2t	HM-8-402-0.5/2t
2.5t-5t	HM-8-402-2.5/5t
250lb-5KSE	HM-8-402-250lb/5KSE
5klb-10klb	HM-8-402-5/10K

Short description

- Compact construction, easy installation.
- Adjustable mounting height,
- Using under heavy static load or slight dynamic load.

Outline Dimension mm(inch)



Capacity(t)	Dimension	L	L1	L2	L3	H	H1	H2	H3	W	W1	D
0.5t-2t (250lb-5KSE)		180.9 (7.12)	127 (5.0)	101.6 (4.0)	152.4 (6.0)	100-120 (3.94-4.72)	18 (0.71)	18 (0.71)	4.0 (0.16)	127 (5.0)	101.6 (4.0)	16 (0.63)
2.5t-5t (5klb-10klb)		215.9 (8.5)	127 (5.0)	101.6 (4.0)	177.8 (7.0)	130-150 (5.12-5.91)	26 (1.02)	26 (1.02)	4.0 (0.16)	127 (5.0)	101.6 (4.0)	16 (0.63)

Accessories

HY-8-102

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D

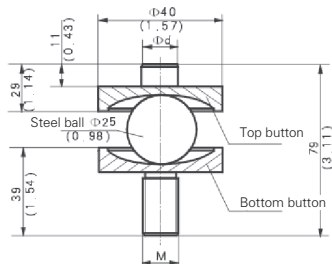


Short description

Easy installation, automatically centralized with steel ball, good self-aligning ability. Mainly used for platform scales, floor scales and other electronic weighing devices.

Capacity	Part number
0.5t-2t	HY-8-102-0.5/2t
2.5t-5t	HY-8-102-2.5/5t
250lb-5KSE	BY-8-104-250lb/5KSE
5klb-10klb	BY-8-104-5/10K

Dimension Capacity	Φd	M
0.5t-2t	12 (0.47)	M12 × 1.75
250lb-5KSE		1/2-20UNF
2.5t-5t	18 (0.71)	M18 × 1.5
5klb-10klb		3/4-16UNF



HY-8-105

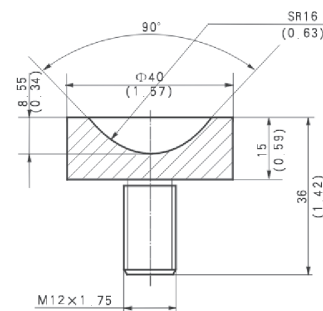
Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



Short description

Easy installation, good self-aligning ability. Mainly used for platform scales and other electronic weighing devices.

Capacity	Part number
0.5t-2t	HY-8-105-0.5/2t



HJ-8-201

Alloy steel, assembled with: H8C

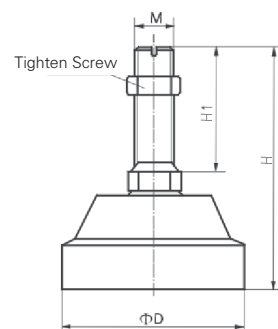


Short description

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, and other electronic weighing devices.

Capacity	Part number
0.5-2t	HJ-8-201-0.5/2t
(0.5-2t)-M1	HJ-8-201-0.5/2t-M1
2.5-5t	HJ-8-201-2.5/5t
(2.5-5t)-M1	HJ-8-201-2.5/5t-M1
250lb-5KSE	HJ-8-201-250lb/5KSE
5klb-10klb	HJ-8-201-5/10K
10t	HJ-8-201-10t
15klb-20klb	HJ-8-201-15/20K

Dimension Capacity	D	H	H1	M
0.5t-2t	60 (2.36)	92 (3.62)	50 (1.97)	M12 × 1.75
250lb-5KSE				1/2-20UNF
2.5t-5t	80 (3.15)	105 (4.13)	50 (1.97)	M20 × 2.5 (Only for H8D)
5klb-10klb				3/4-16UNF
10t	86 (3.39)	112 (4.41)	50 (1.97)	M24 × 12
15klb-20klb				1-12UNF
(0.5t-2t)-M1	60 (2.36)	92 (3.62)	50 (1.97)	M16 × 1.5
(2.5t-5t)-M1	60 (2.36)	92 (3.62)	50 (1.97)	M18 × 1.5 (Only for H8C)



HJ-8-203

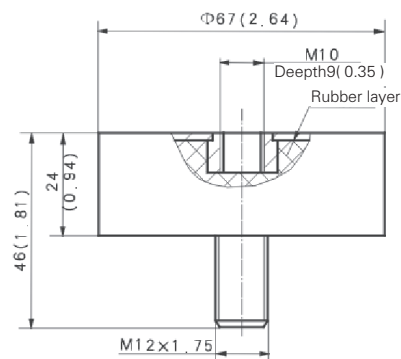
Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



Capacity	Part number
0.5t-2t	HJ-8-203-0.5/2t

Short description

Alloy steel with rubber inside, slightly adjustable of the slant, easy installation. Mainly used for platform scales, packaging scales, hybrid scales and other electronic weighing devices.



Accessories

HJ-8-208

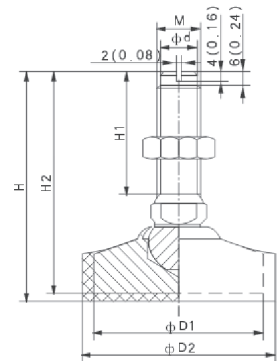


Short description

Easy installation, height adjustable, self-centralization, good anti-side loading ability.

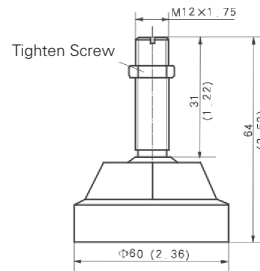
Capacity	Part number
0.5t-2t	HJ-8-208-0.5/2t
2.5t-5t	HJ-8-208-2.5/5t
250lb-5KSE	HJ-8-208-250lb/5KSE
5klb-10klb	HJ-8-208-5/10K

Number	Capacity	D1	D2	H1	H2	H	M	Assembled Products:
1	0.5-2t	48.5 (1.91)	60 (2.36)	42 (1.65)	69 (2.72)	74 (2.91)	M12 × 1.75	H8C
2	2.5-5t	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	M18 × 1.5	H8C
3	2.5-5t	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	M20 × 2.5	B8D
4	250lb-5KSE	48.5 (1.91)	60 (2.36)	42 (1.65)	69 (2.72)	74 (2.91)	1/2-20UNF	H8C
5	5klb-10klb	70 (2.76)	80 (3.15)	50 (1.97)	90 (3.54)	95 (3.74)	3/4-16UNF	H8C



HJ-8-213

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D



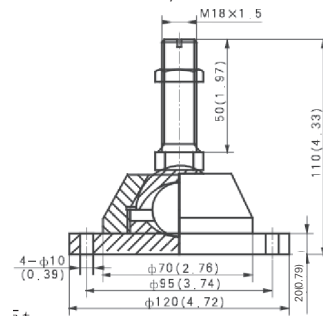
Capacity	Part number
0.5t-2t	HJ-8-213-0.5/2t

Short description

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, and other electronic weighing devices.

HJ-8-216

Alloy steel, assembled with: H8C, B8D



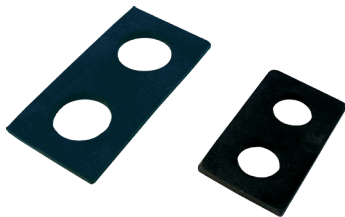
Capacity	Part number
2.5t-5t	HJ-8-216-2.5/5t

Short description

Easy installation, adjustable height, automatically centralized inside, good ability of anti-side loading. Mainly used for platform scales, and other electronic weighing devices.

HD-8-301

Alloy steel, assembled with: H8C, B8D, HM8C, BM8D

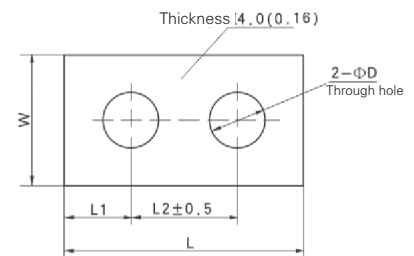


Capacity	Part number
0.5t-2t	HD-8-301-0.5/2t
2.5t-5t	HD-8-301-2.5/5t
250lb-5KSE	HD-8-301-250lb/5KSE
5klb-10klb	HD-8-301-5/10K

Dimension	L	L1	L2	W	D
Capacity					
0.5t-2t (250lb-5KSE)	54 (2.13)	13 (0.51)	25.4 (1.0)	32 (1.26)	14 (0.55)
2.5t-5t (5klb-10klb)	76 (2.99)	19 (0.75)	38 (1.50)	38 (1.50)	20 (0.79)

Short description

Mainly used for platform scales, floor scales and other electronic weighing devices.



B9B1

- Stainless steel construction, dual shear beam structure, adhesive sealed, compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for platform scales and other electronic weighing devices.



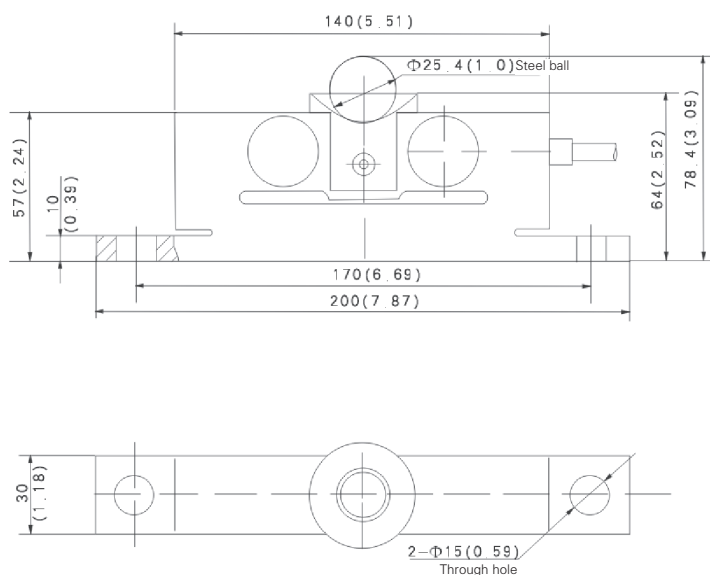
Available models

Capacity	Accuracy	Full article description
txt	C3	B9B1-C3-txt-4B

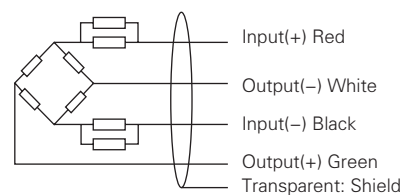
Specification

Maximum capacity (Emax)	t	2/5
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	1.2 ± 0.004
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 2.5
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+65
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150

Dimensions in mm



Wiring



- Adopt shielded, 4 conductor cable.
- Standard cable length: 4m

B9C



- Stainless steel IP67 dual shear beam load cell
- High accuracy
- Suitable for truck scales and other heavy weighing devices
- Sealed construction

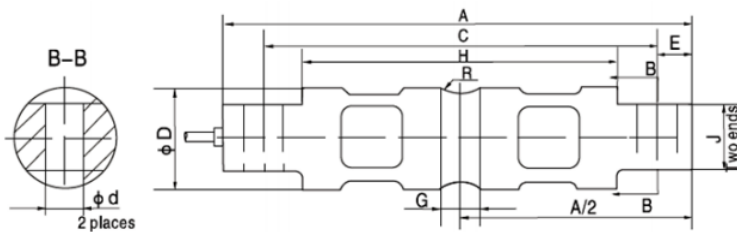
Available models

Capacity	Accuracy	Full article description
5 Klb	N3	B9C-N3-5K-9B
10 Klb	N10	B9C-N10-10K-9B
15 Klb	N10	B9C-N10-15K-9B
20 Klb	N10	B9C-N10-20K-9B
30 Klb	N10	B9C-N10-30K-9B
40 Klb	N10	B9C-N10-40K-9B
50 Klb	N10	B9C-N10-50K-9B
60 Klb	N10	B9C-N10-60K-9B
75 Klb	N10	B9C-N10-75K-9B
90 Klb	N10	B9C-N10-90K-9B
100 Klb	N10	B9C-N10-100K-9B
150 Klb	N3	B9C-N3-150K-9B
200 Klb	N3	B9C-N3-200K-9B
250 Klb	N3	B9C-N3-250K-9B

Specification

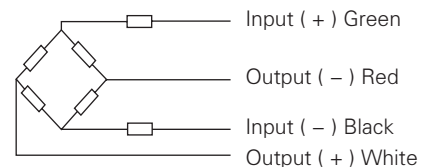
Accuracy class		N3	N10
Output sensitivity (= FS)	mV/V	3.0 ± 0.003	
Maximum capacity (Emax)	klb	5, 150, 200, 250	10, 15, 20, 30, 40, 50, 60, 75, 90, 100
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		7500	
Combined error	%FS	± 0.035	± 0.023
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +80	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP67	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	A	C	H	G	ΦD	J	Φd	R	E
5Klb, 10Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	43.2 (1.7)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
15Klb, 20Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	49.5 (1.95)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
30Klb, 75Klb	260.4 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	76.2 (3.0)	60.2 (2.37)	26.9 (1.06)	R25.4 (1.0)	22.4 (0.88)
90Klb, 100Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	88.9 (3.5)	63.5 (2.5)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
150Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	99.1 (3.9)	71.1 (2.80)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
200Klb, 250Klb	408.9 (16.1)	330.2 (13.0)	254.0 (10.0)	31.7 (1.25)	136.6 (5.38)	116.8 (4.6)	39.6 (1.56)	R50.8 (2.0)	39.4 (1.55)

Wiring

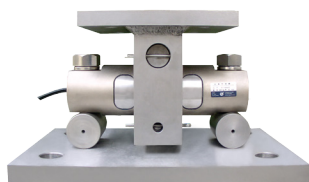


- Shielded, 4 conductor cable.
- Cable diameter for 5k – 20k: Φ5mm and for 30k – 250k: Φ8mm.
- Standard cable length: 9m.
- Shield not connected to element.

Accessories

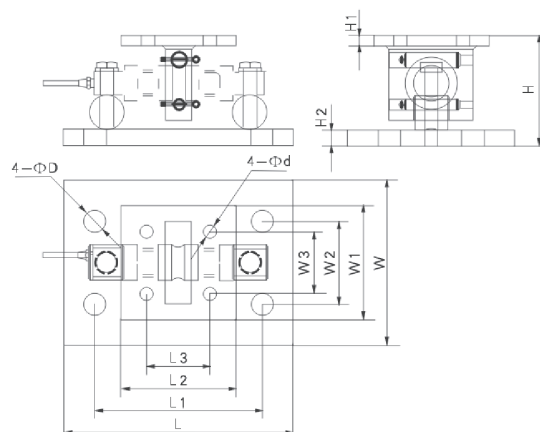
HM-9-401

Alloy steel mounting kit assembled with: H9C, B9C.



Short description

- Compact construction, easy installation.
- Excellent anti-reversal ability.
- Using under heavy static load or light dynamic load.



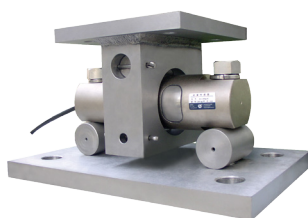
Capacity	Part number
5klb-20klb	HM-9-401-5/20K
30klb-75klb	HM-9-401-30/75K
100klb	HM-9-401-100K
150klb	HM-9-401-150K
200klb-250klb	HM-9-401-200/250K

Specification	
Safety loading	150%FS
Ultimate loading	300%FS
Max. anti-reversal loading	40%FS
Max. anti-side loading	20%FS
Max. vertical lifting	5-20K:3.3K(1.5t)/ 30-75K:11K(5t) 100-150K:16.5K(7.5t)/ 200-250K:68K(31t)

Dimension Capacity (klb)	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	D	d
5-20klb	279.4 (11)	203.2 (8)	139.7 (5.5)	76.2 (3)	203.2 (8)	139.7 (5.5)	101.6 (4)	76.2 (3)	139.2 (5.48)	12.7 (0.5)	19 (0.75)	26.9 (1.06)	16 (0.63)
30-75klb	381 (15)	292.1 (11.5)	203.2 (8)	130.3 (5.13)	254 (10)	203.2 (8)	152.4 (6)	130.3 (5.13)	214.1 (8.43)	19.1 (0.75)	25 (1.0)	31 (1.22)	19.1 (0.75)
100-150klb	57.2 (18)	355.6 (14)	254 (10)	190.5 (7.5)	304.8 (12)	254 (10)	228.6 (9)	190.5 (7.5)	264 (10.39)	31.8 (1.25)	31.8 (1.25)	35.1 (1.38)	20.6 (0.81)
200-250klb	660.4 (26)	508 (20)	304.8 (12)	228.6 (9)	304.8 (12)	304.8 (12)	152.4 (6)	228.6 (9)	400 (15.73)	50.8 (2)	50.8 (2)	47.8 (1.88)	26.9 (1.06)

BM-9-402

Alloy steel mounting kit assembled with: H9C, B9C.

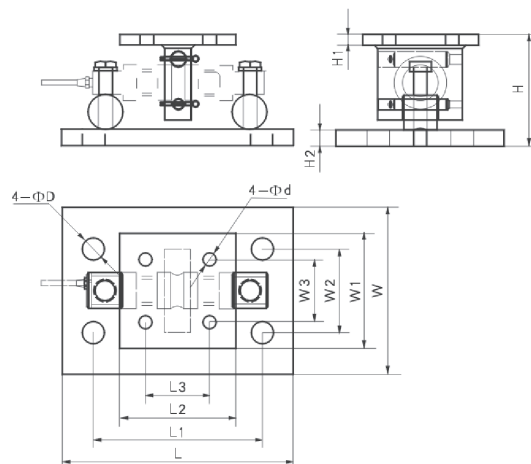


Capacity	Part number
5klb-20klb	BM-9-402-5/20K
30klb-75klb	BM-9-402-30/75K
100klb	BM-9-402-100K
150klb	BM-9-402-150K
200klb-250klb	BM-9-402-200/250K

Specification	
Safety loading	150%FS
Ultimate loading	300%FS
Max. anti-reversal loading	40%FS
Max. anti-side loading	20%FS
Max. vertical lifting	5-20K:3.3K(1.5t)/ 30-75K:11K(5t) 100-150K:16.5K(7.5t)/ 200-250K:68K(31t)

Short description

Compact construction, easy installation.
Excellent anti-reversal ability.
Using under heavy static load or light dynamic load.
Stainless steel, with good ability against corrosive environments.



Dimension Capacity (klb)	L	L1	L2	L3	W	W1	W2	W3	H	H1	H2	D	d
5-20klb	279.4 (11)	203.2 (8)	139.7 (5.5)	76.2 (3)	203.2 (8)	139.7 (5.5)	101.6 (4)	76.2 (3)	139.2 (5.48)	12.7 (0.5)	19 (0.75)	26.9 (1.06)	16 (0.63)
30-75klb	381 (15)	292.1 (11.5)	203.2 (8)	130.3 (5.13)	254 (10)	203.2 (8)	152.4 (6)	130.3 (5.13)	214.1 (8.43)	19.1 (0.75)	25 (1.0)	31 (1.22)	19.1 (0.75)
100-150klb	57.2 (18)	355.6 (14)	254 (10)	190.5 (7.5)	304.8 (12)	254 (10)	228.6 (9)	190.5 (7.5)	264 (10.39)	31.8 (1.25)	31.8 (1.25)	35.1 (1.38)	20.6 (0.81)
200-250klb	660.4 (26)	508 (20)	304.8 (12)	228.6 (9)	304.8 (12)	304.8 (12)	152.4 (6)	228.6 (9)	400 (15.73)	50.8 (2)	50.8 (2)	47.8 (1.88)	26.9 (1.06)

B9E



- Stainless steel construction, dual shear beam structure, adhesive sealed, compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

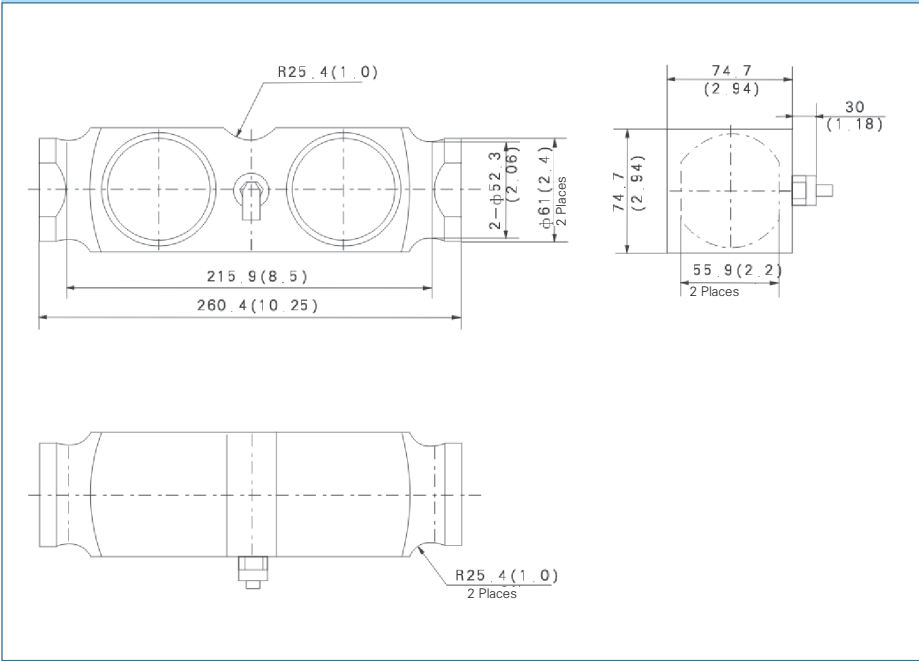


Available models		
Capacity	Accuracy	Full article description
xxklb	C3	B9E-C3-xxK-9B

Specification

Maximum capacity (Emax)	klb	50/60/65/75/100/125/150
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10℃	± 0.011
Temperature effect on zero	%FS/10℃	± 0.015
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature,compensated	℃	-10~+40
Temperature range, operating	℃	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73℃ II3G Ex nL II C T4

Dimensions in mm



Wiring

Input(+) Red
Output(-) White
Input(-) Black
Output(+) Green
Transparent: Shield

- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 9m.

B9F

- Stainless steel construction, dual shear beam structure, adhesive sealed, compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.



Available models

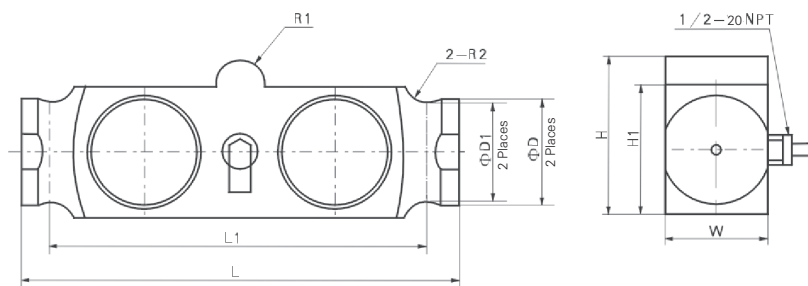
Capacity	Accuracy	Full article description
xxklb	D3	B9F-D3-xxK-9B



Specification

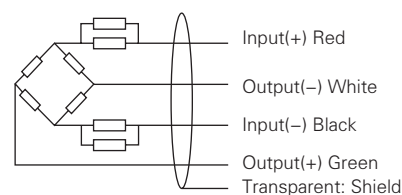
Capacity	klb	10/15/20/25/30/40/50/60/75
Accuracy class		D3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	vmin	E _{max} /10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of E _{max}	150
Ultimate overload	of E _{max}	300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

Dimensions in mm



Dimension	L	L1	H	H1	W	ΦD	ΦD1	R1	R2
Capacity									
10~25klb	203.2 (8.0)	180.95 (7.12)	58.8 (2.31)	49.28 (1.94)	36.58 (1.44)	Φ25.4 (1.0)	Φ20.32 (0.8)	R9.52 (0.38)	R9.53 (0.37)
40~75klb	215.9 (8.5)	184.15 (7.25)	76.12 (3.0)	62.23 (2.45)	49.53 (1.95)	Φ50.8 (2.0)	Φ44.5 (1.75)	R12.7 (0.5)	R19.05 (0.75)

Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 9m

B9N



- Stainless steel construction, dual shear beam structure, adhesive sealed, compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.

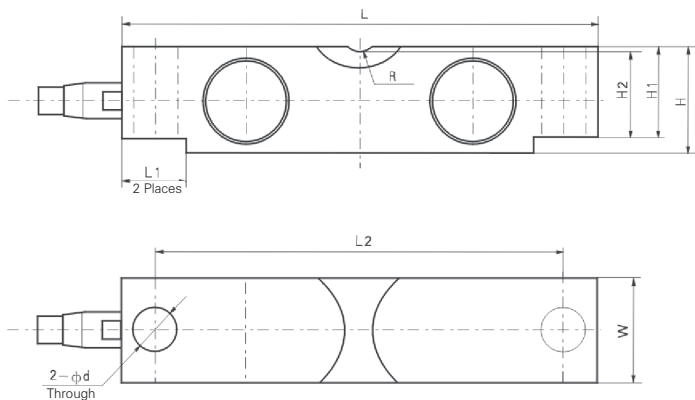
Available models

Capacity	Accuracy	Full article description
xxklb	C3	B9N-C3-xxK-9B

Specification

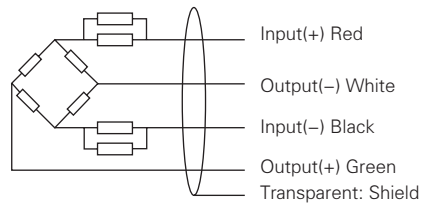
Maximum capacity (Emax)	klb	10/15/20/25/30/40/50/60/75/100/125
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300

Dimensions in mm



Dimension Capacity (klb)	L	L1	L2	H	H1	H2	Φd	W	R
10~25klb	197 (7.8)	35 (1.4)	165 (6.5)	49.3 (1.9)	43.2 (1.7)	41.4 (1.6)	Φ17.3 (0.7)	43 (1.7)	R19.1 (0.8)
30~40klb	260.4 (10.3)	49 (1.9)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	Φ20.6 (0.8)	49.3 (1.9)	R25.4 (1.0)
50~75klb	260.4 (10.3)	49 (1.9)	216 (8.5)	74.7 (2.9)	67.3 (2.65)	64.5 (2.5)	Φ26.9 (1.1)	62 (2.4)	R25.4 (1.0)
100~125klb	387.4 (15.3)	79.5 (3.1)	324 (12.8)	98 (3.9)	87.1 (3.4)	83.8 (3.3)	Φ41.2 (1.6)	73.7 (2.9)	R38.1 (1.5)

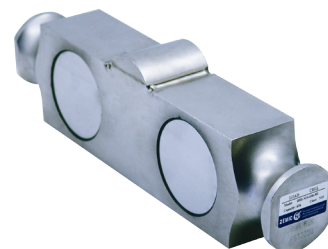
Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 9m.

B9H

- Stainless steel construction, dual shear beam structure, adhesive sealed, compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for electronic truck scales, hopper scales, track scales and other electronic weighing devices.



Available models

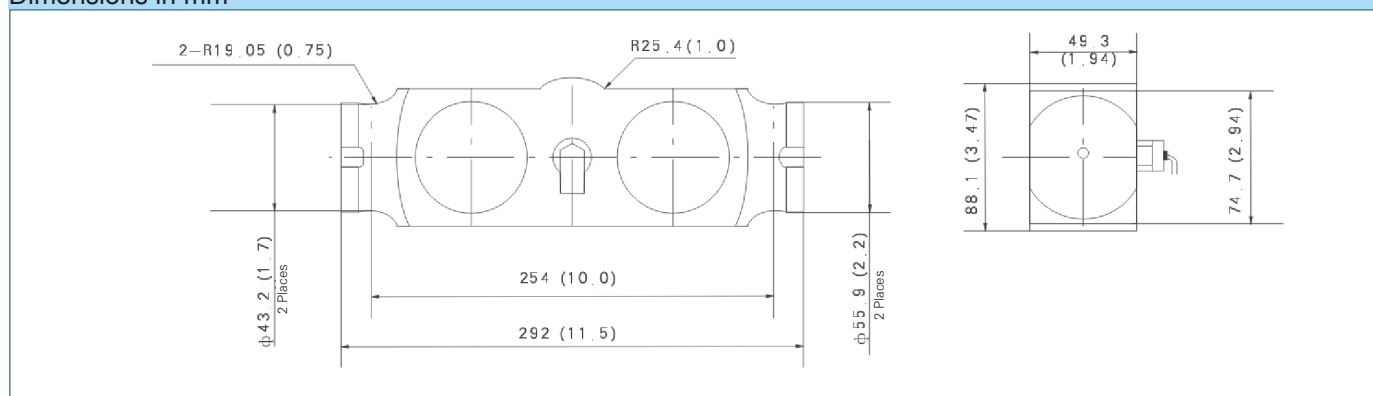
Capacity	Accuracy	Full article description
xxklb	C3	B9H-C3-xxK-9B



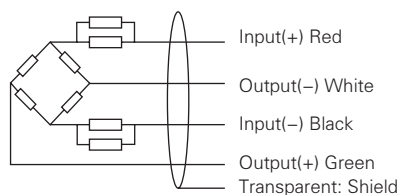
Specification

Maximum capacity (Emax)	klb	50/60/75/100
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

Dimensions in mm



Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 9m.

H9C



Certificate no. 07-018A1



test certificate no. D09-07.07
C of C no R60/2000-NL1-10.14 Revision 1

- Nickel plated alloy steel
IP67 dual shear beam load cell .
- High accuracy .
- Suitable for truck and track scales and other heavy weighing devices .
- Sealed construction .

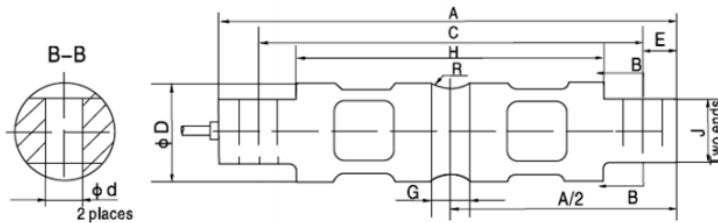
Available models

Capacity	Accuracy	Full article description
5 Klb	C3/C4	H9C-C3/C4-5K-9B
10 Klb	C3/C4	H9C-C3/C4-10K-9B
15 Klb	C3/C4	H9C-C3/C4-15K-9B
20 Klb	C3	H9C-C3-20K-9B
30 Klb	C3	H9C-C3-30K-9B
40 Klb	C3	H9C-C3-40K-9B
50 Klb	C3	H9C-C3-50K-9B
60 Klb	C3	H9C-C3-60K-9B
75 Klb	C3	H9C-C3-75K-9B
100 Klb	C3	H9C-C3-100K-9B
150 Klb	C3	H9C-C3-150K-9B
200 Klb	C3	H9C-C3-200K-9B
250 Klb	C3	H9C-C3-250K-9B

Specification

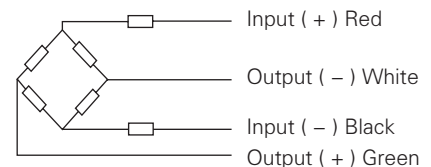
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	3.0 ± 0.003	
Maximum capacity (Emax)	klb	5, 10, 20, 30, 40, 50, 60, 75, 100, 150, 200, 250	5, 10, 20
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	12000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	of Emax	0 %	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +80	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP67	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	A	C	H	G	ΦD	J	Φd	R	E
5Klb, 10Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	43.2 (1.7)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
15Klb, 20Klb	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	49.5 (1.95)	28.4 (1.12)	16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
30Klb, 75Klb	260.4 (10.25)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	76.2 (3.0)	60.2 (2.37)	26.9 (1.06)	R25.4 (1.0)	22.4 (0.88)
90Klb, 100Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	88.9 (3.5)	63.5 (2.5)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
150Klb	285.8 (11.25)	241.3 (9.5)	190.2 (7.49)	31.0 (1.22)	99.1 (3.9)	71.1 (2.80)	26.9 (1.06)	R38.1 (1.5)	22.4 (0.88)
200Klb, 250Klb	408.9 (16.1)	330.2 (13.0)	254.0 (10.0)	31.7 (1.25)	136.6 (5.38)	116.8 (4.6)	39.6 (1.56)	R50.8 (2.0)	39.4 (1.55)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter for 5k – 20k: Φ5mm and for 30k – 250k: Φ8mm.
- Standard cable length: 9m.
- Shield not connected to element.

H9D

- Nickel plated alloy steel
- IP67 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Sealed construction

Available models

Capacity	Accuracy	Full article description
1 Klb	N3	H9D-N3-1K-6B
1.5 Klb	N3	H9D-N3-1.5K-6B
2 Klb	N3	H9D-N3-2K-6B
2.5 Klb	N3	H9D-N3-2.5K-6B
4 Klb	N3	H9D-N3-4K-6B
5 Klb	N3	H9D-N3-5K-6B
10 Klb	N3	H9D-N3-10K-6B
15 Klb	N3	H9D-N3-15K-6B
20 Klb	C3/C4/C5	H9D-C3/C4/C5-20K-6B
25 Klb	C3/C4/C5	H9D-C3/C4/C5-25K-6B
35 Klb	C3/C4/C5	H9D-C3/C4/C5-35K-6B
50 Klb	C3/C4/C5	H9D-C3/C4/C5-50K-6B
75 Klb	C3/C4/C5	H9D-C3/C4/C5-75K-6B



test certificate no. TC8013 Revision 0 C
of C no R60/2000-NL1-11.31

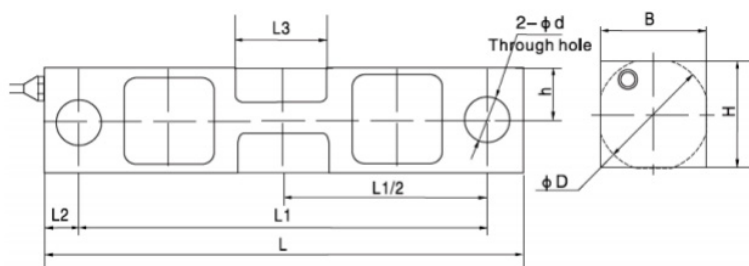


Certificate no. 12-015

Specification

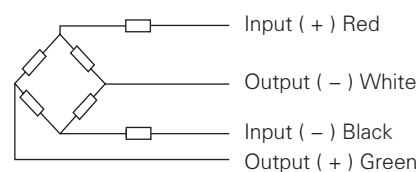
Accuracy class		N3	OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	3.0 ± 0.008			
Maximum capacity (Emax)	klb	1, 1.5, 2, 2.5, 4, 5, 10, 15	20, 25, 35, 50, 75		
Maximum number of load cell intervals (nLC)		3000	4000	5000	
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000	20000	
Combined error	%FS	± 0.023	± 0.0175	± 0.0140	
Minimum dead load	of Emax	0 %			
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 1.0			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Terminal resistance, input	Ω	700 ± 7			
Terminal resistance, output	Ω	703 ± 4			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	°C	-10 ~ +40			
Temperature range, operating	°C	-35 ~ +65			
Storage temperature	°C	-40 ~ +80			
Element material		Nickel plated alloy steel			
Ingress Protection (according to EN 60529)		IP67			
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C	II3G Ex nL IIC T4	

Dimensions in mm



Dimension Capacity	L	L1	L2	H	h	B	ΦD	Φd
1Klb-5Klb	190.5 (7.5)	158.75 (6.25)	15.9 (0.63)	30.99 (1.22)	16.76 (0.66)	30.99 (1.22)	31.5 (1.24)	12.7 (0.5)
10Klb-35Klb	222.25 (8.75)	190.5 (7.5)	15.9 (0.63)	49.15 (1.94)	24.58 (12.67)	36.45 (1.44)	50.8 (2.0)	20.57 (0.81)
50Klb-75Klb	342.9 (13.5)	292.1 (11.5)	25.4 (1.0)	74.68 (2.94)	37.37 (1.47)	61.98 (2.44)	75.95 (2.99)	33.32 (1.31)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm.
- Standard cable length: 6m.
- Shield not connected to element.

H9N

- Alloy steel IP67 dual shear beam load cell
- High accuracy
- Suitable for track and truck scales and other weighing devices



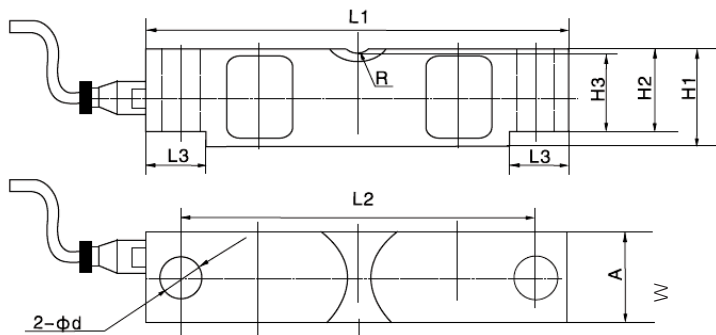
Available models

Capacity	Accuracy	Full article description
25 klb	D3	H9N-D3-25K-9B
40 Klb	D3	H9N-D3-40K-9B
50 Klb	D3	H9N-D3-50K-9B
60 Klb	D3	H9N-D3-60K-9B
75 Klb	D3	H9N-D3-75K-9B
100 Klb	D3	H9N-D3-100K-9B
125 Klb	D3	H9N-D3-125K-9B
150 Klb	D3	H9N-D3-150K-9B
200 Klb	D3	H9N-D3-200K-9B

Specification

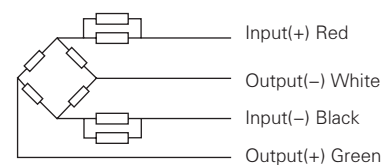
Accuracy class		D3
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Maximum capacity (Emax)	klb	25, 40, 50, 60, 75, 100, 125, 150, 200
Maximum number of load cell intervals (nLC)		10000
Ratio of minimum LC verification interval Y = Emax / vmin		7500
Combined error	%FS	± 0.020
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Element material		Alloy steel
Ingress Protection (according to EN 60529)		IP67
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension	L	L1	L2	H	H1	H2	Φd	W	R
Capacity									
25klb	197 (7.75)	35 (1.38)	165 (6.5)	49.3 (1.94)	43.2 (1.7)	41.4 (1.63)	Φ17.3 (0.68)	43 (1.7)	R19.1 (0.75)
40klb	260.4 (10.25)	49 (1.93)	216 (8.5)	62 (2.44)	53.3 (2.1)	50.8 (2.0)	Φ20.6 (0.81)	49.3 (1.9)	R25.4 (1.0)
50~75klb	260.4 (10.25)	49 (1.93)	216 (8.5)	74.7 (2.94)	67.3 (2.65)	64.5 (2.54)	Φ26.9 (1.06)	62 (2.44)	R25.4 (1.0)
100~125klb	387.4 (15.25)	79.5 (3.13)	324 (12.76)	98 (3.86)	87.1 (3.43)	83.8 (3.3)	Φ41.2 (1.62)	73.7 (2.9)	R38.1 (1.5)
150~200klb	489 (19.25)	127.8 (5.03)	387.4 (15.25)	147.3 (5.8)	130.1 (5.12)	112.8 (4.44)	Φ41.2 (1.62)	96.5 (3.8)	R50.8 (2.0)

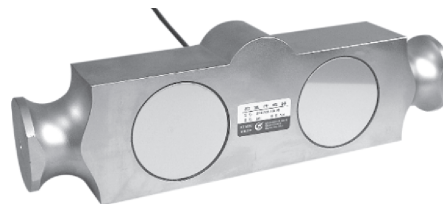
Wiring



- Shielded, 4 conductor cable.
- Standard cable length: 9m
- Cable type and length for customer's own application are available on request.
- Shield connected to body.

H9H

- Alloy steel , nickel plated, dual shear beam structure, adhesive sealed, compression load.
- Ingress Protection (according to EN 60529): IP67
- Suitable for electronic truck scales, hopper scales, railway scales and other electronic weighing devices.



Available models

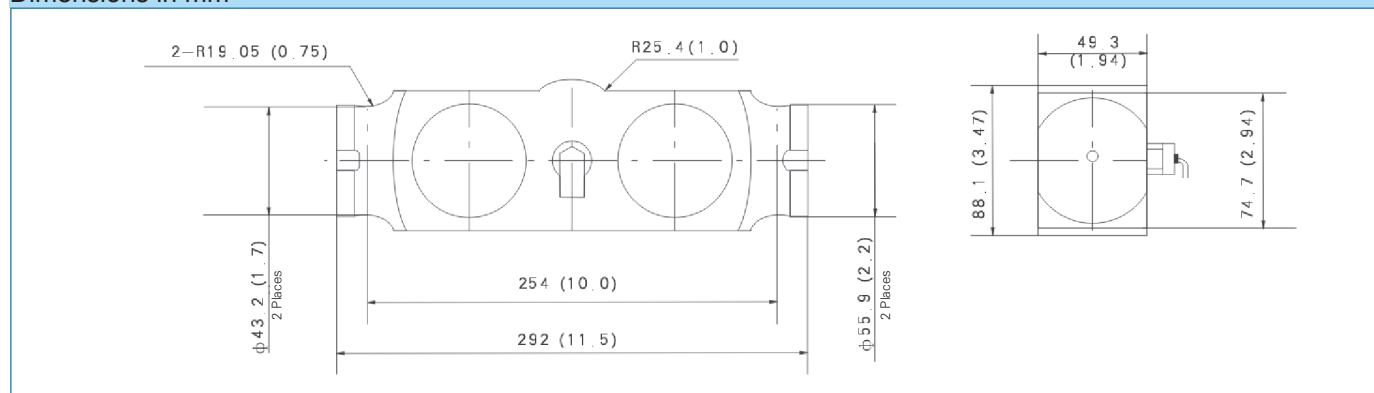
Capacity	Accuracy	Full article description
xxklb	C3	H9H-C3-xxK-9B



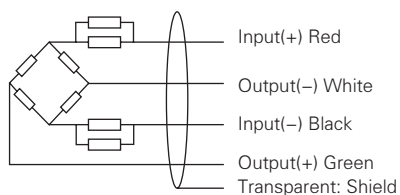
Specification

Maximum capacity (Emax)	klb	50/60/75/100
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature, compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

Dimensions in mm



Wiring



Adopt shielded, 4 conductor cable: Φ5mm

Standard cable length: 9m.

HM9B



test certificate no. D09-06.08
C of C no. R60/2000-CN1-06.06

- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck, track, hopper and other electronic weighing devices
- Current calibrated (sc-option)

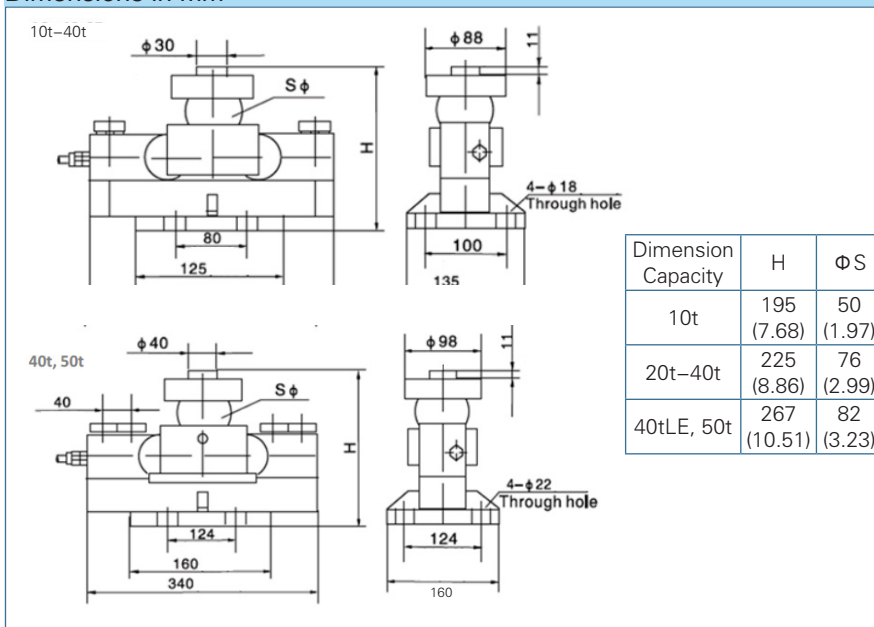
Available models

Capacity	Accuracy	Full article description
10 t	C3	HM9B-C3-10t-16B
20 t	C3	HM9B-C3-20t-16B
25 t	C3	HM9B-C3-25t-16B(-SC)
30 t	C3	HM9B-C3-30t-16B(-SC)
40t LE	C3	HM9B-C3-40t LE-16B
40t	C3	HM9B-C3-40t-16B
50t	C3	HM9B-C3-50t-16B

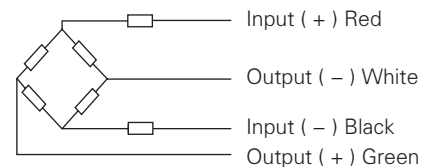
Specification

Accuracy class		OIML R60 C3	
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	10, 20, 25	30, 40LE, 40, 50
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		15000	7500
Combined error	%FS	± 0.023	
Minimum dead load	klb	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.5	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	700 ± 7	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +90	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm



Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5.5mm.
- Standard cable length: 16m, also available in 12m.
- Shield not connected to element.

HM9C

- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Hermetically sealed



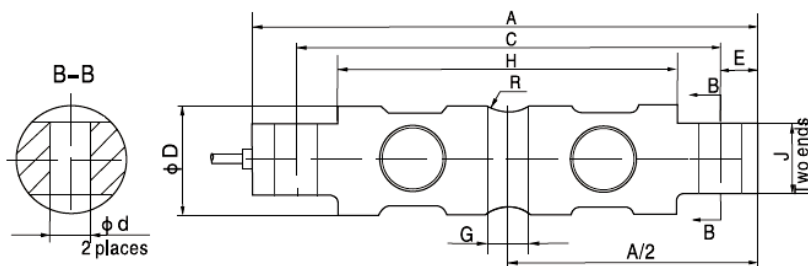
Available models

Capacity	Accuracy	Full article description
10 Klb	C3	HM9C-C3-10K-9B
20 Klb	C3	HM9C-C3-20K-9B
30 Klb	C3	HM9C-C3-30K-9B
40 Klb	C3	HM9C-C3-40K-9B
50 Klb	C3	HM9C-C3-50K-9B
60 Klb	C3	HM9C-C3-60K-9B
75 Klb	C3	HM9C-C3-75K-9B

Specification

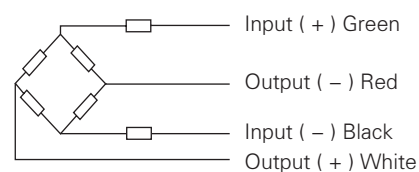
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008
Maximum capacity (Emax)	klb	10, 20, 30, 40, 50, 60, 75
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.023
Minimum dead load	klb	0
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	700 ± 7
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +80
Element material		Alloy steel
Ingress Protection (according to EN 60529)		IP68
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity (klb)	A	C	H	G	ΦD	J	Φd	R	E
10	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	15.7 (0.62)	Φ43.2 (1.7)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
20	206.2 (8.12)	174.6 (6.88)	133.1 (5.24)	21.3 (0.84)	Φ49.5 (1.95)	28.4 (1.12)	Φ16.7 (0.66)	R12.7 (0.5)	15.7 (0.62)
30-75	260.0 (10.24)	215.9 (8.5)	165.1 (6.5)	25.4 (1.0)	Φ76.2 (3.0)	60.2 (2.37)	Φ26.9 (1.06)	R25.4 (1.0)	22.4 (0.88)

Wiring



- Shielded, 4 conductor cable.
- Φ5mm(5k-20klb) Φ8mm(30k-250klb).
- Standard cable length: 9m
- Cable type and length for customer's own application are available on request.

HM9E



test certificate no. TC7810 Revision 0
C of C no R60/2000-NL1-10.15



Certificate no. 10-057A1

- Nickel plated alloy steel IP68 dual shear beam load cell
- High accuracy
- Suitable for truck and track scales and other heavy weighing devices
- Hermetically sealed

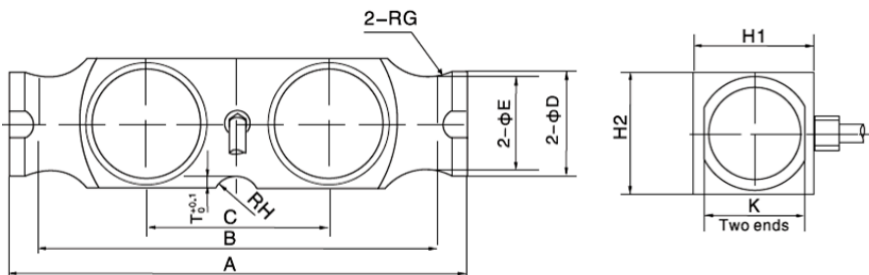
Available models

Capacity	Accuracy	Full article description
50 Klb	C3	HM9E-C3-50K-12B
65 Klb	C3	HM9E-C3-65K-12B
100 Klb	C3	HM9E-C3-100K-12B
125 Klb	C3	HM9E-C3-125K-12B
200 Klb	C3	HM9E-C3-200K-12B

Specification

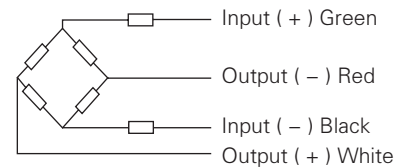
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.003
Maximum capacity (Emax)	klb	50, 65, 100, 125, 200
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = Emax / vmin		10000
Combined error	%FS	± 0.023
Minimum dead load	of Emax	0%
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	5 ~ 12(DC)
Excitation maximum	V	18(DC)
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature range, compensated	°C	-10 ~ +40
Temperature range, operating	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +80
Element material		Nickel plated alloy steel
Ingress Protection (according to EN 60529)		IP68
ATEX classification (optional)		II1G Ex ia IIC T4 II1D Ex iaD 20 T73°C C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	A	B	C	ΦD	ΦE	RG	RH	T	H1	H2	K
50klb~125klb	260.5 (10.26)	215.9 (8.5)	101.6 (4.0)	61 (2.40)	52.32 (2.06)	25.4 (1.0)	25.4 (1.0)	7 (0.28)	76 (2.99)	76.2 (3.0)	55.9 (2.2)
200klb	304.8 (12.0)	254 (10.0)	111.8 (4.40)	70 (2.76)	56.69 (2.23)	38.1 (1.5)	38.1 (1.5)	10 (0.39)	86.1 (3.39)	86.36 (3.4)	63.5 (2.5)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ8mm.
- Standard cable length: 12m.
- Shield not connected to element.

H10G2

- Alloy steel, nickel plated, bending plate. Adhesive sealed with compression loading available.
- Ingress Protection (according to EN 60529): IP67
- Suitable for on-board weighing scales.



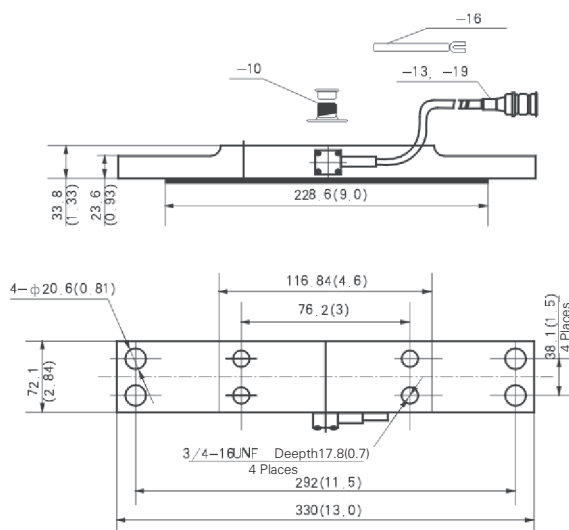
Available models

12.5klb	H10G2-12.5K-10
12.5klb	H10G2-12.5K-13
12.5klb	H10G2-12.5K-16
16.5klb	H10G2-16.5K-19

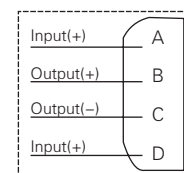
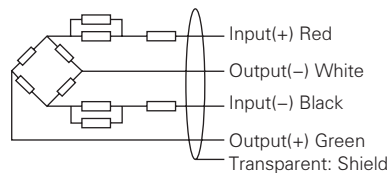
Specification

No. for products type		-10/-13/-16	-19
Maximum capacity (Emax)	klb	12.5K	16.5K
Output sensitivity (= FS)	mV/V	$0.500 \pm 0.01 \text{ mV/V (@12.5K)}$	$0.5291 \pm 0.01 \text{ mV/V (@13228lb)}$
Accuracy class		G10	
Combined error	%FS	± 1.0	± 1.0
Hysteresis	%FS	± 1.0	± 1.0
Non-repeatability	%FS	± 0.1	± 0.1
Creep(20min)	%FS	± 0.1	± 0.1
Zero balance	%FS	± 2.0	± 2.0
Temperature, compensated	°C	-10~+40	
Temperature range, operating	°C	-35~+65	
Temperature effect on sensitivity	%FS/10°C	± 0.36	
Temperature effect on zero	%FS/10°C	± 0.2	
Terminal resistance, input	Ω	415 ± 30	
Terminal resistance, output	Ω	350 ± 3.5	
Insulation impedance	M Ω	≥ 5000	
Excitation, recommended voltage	V	5~12 (DC)	
Excitation maximum	V	18 (DC)	
Safe overload	of Emax	150	
Ultimate overload	of Emax	300	

Dimensions in mm



Wiring



-10: adopt 4 conductor cable with standard connector.

-16: adopt 4 conductor cable with square connector. Standard cable length: 10m.

-13/-19: adopt 4 conductor cable with twin connectors. Standard cable length: 1m.

H10J



- Alloy steel , nickel plated, plate bending beam structure, adhesive sealed, compression load.
- Ingress Protection (according to EN 60529): IP67
- Suitable for on board weighing.

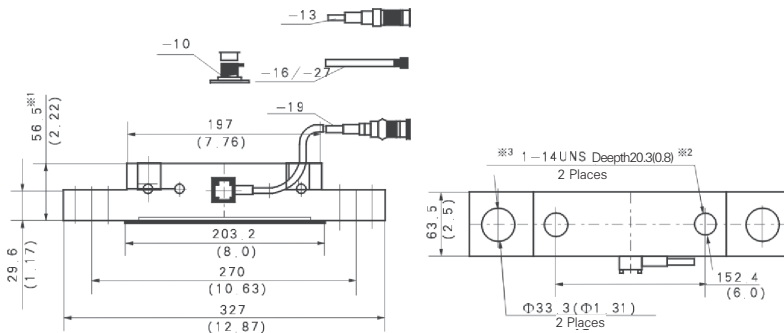
Available models

16.5klb	H10J-16.5K-10
16.5klb	H10J-16.5K-13
16.5klb	H10J-16.5K-16
15klb	H10J-15K-19
15t	H10J-15t-30
15t	H10J-15t-31
15t	H10J-15t-40
15t	H10J-15t-41
15t	H10J-15t-42

Specification

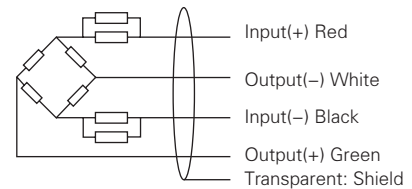
No. of products type		-10/-13	-16	-19	-30/-40/-42	-31/-41
Maximum capacity (Emax)		16.5klb		15klb	15t	
Output sensitivity (= FS)	mV/V	0.5 ± 0.01 (@12.5K)	-0.5 ± 0.01 (@12.5K)	0.5291 ± 0.01 (@13228lb)	0.50 ± 0.05 (@6t)	0.45 ± 0.05 (@6t)
Combined error	%FS	± 1.0				
Non-repeatability	%FS	± 0.1				
Creep (20min)	%FS	± 0.1				
Zero output	%FS	± 2.0				
Temperature, compensated	°C	$-10 \sim +40$				
Temperature range, operating	°C	$-35 \sim +65$				
Terminal resistance, input	Ω	387 ± 25				
Terminal resistance, output	Ω	350 ± 3.5				
Insulation impedance	M Ω	≥ 5000				
Excitation, recommended voltage	V	5~12(DC)				
Excitation maximum	V	18(DC)				
Safe overload	of Emax	120				
Ultimate overload	of Emax	150				
Wiring		-10: adopt standard connector with 7 conductors. 13: adopt connector with 7 wires. Length: 1m.		4 conductor cable with square connector. Length: 10m	4 conductor cable with twin connectors. Length: 1m.	4 conductor cable for -30 and -31, cable length 10m. 4 conductor green cable for -40, -41 and -42, cable length 10m.

Dimensions in mm

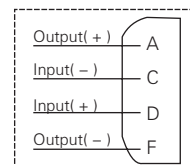


1. 62(2.44) for H10J-15t-31, H10J-15t-41, H10J-15t-42.
2. 25.4(1.0) for H10J-15t-31, H10J-15t-41, H10J-15t-42.
3. 1-12UNF for H10J-15t-31, H10J-15t-41.

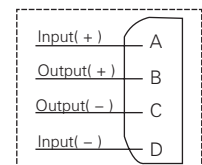
Wiring



(only for -16)



(Adopted for -10, -13 type)



(Adopted for -19 type.)

H10Z4

- Alloy steel , nickel plated, plate bending beam structure, adhesive sealed, compression load.
- Ingress Protection (according to EN 60529): IP67
- Suitable for on board weighing.



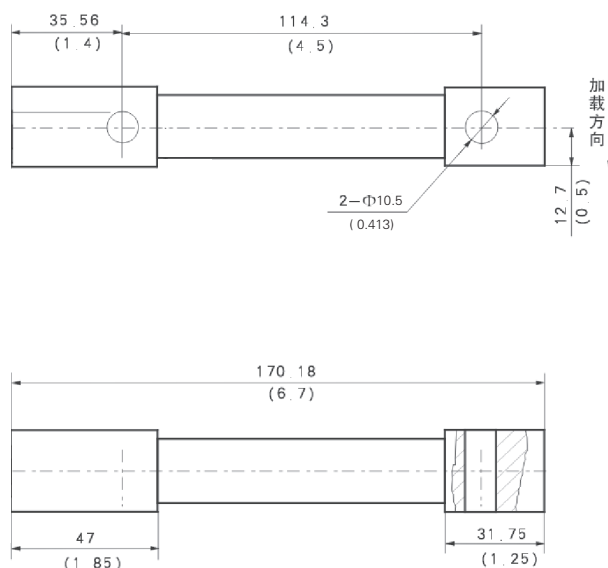
Available models

8lb	H10Z4-8
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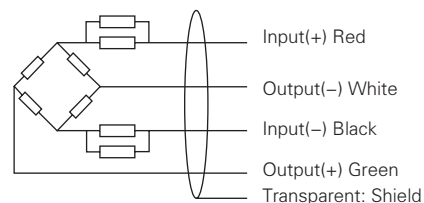
Specification

Maximum capacity (Emax)	lb	8
Terminal resistance, output	mV/V	1.8 ± 0.25
Combined error	%FS	± 1.0
Creep(20 min)	%FS	± 0.1
Zero output	%FS	± 2.5
Temperature,compensated	°C	-10~+40
Temperature range, operating	°C	-35~+65
Temperature effect on sensitivity	%FS/10°C	± 0.05
Terminal resistance, input	Ω	350 ± 3.5
Terminal resistance, output	Ω	350 ± 3.5
Insulation impedance (50VDC)	M Ω	≥ 5000
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	of Emax	120
Ultimate overload	of Emax	150

Dimensions in mm



Wiring



BM11



test certificate no. TC7968 Revision 0 C of C
no R60/2000-NL1-11.20



Certificate no. 07-020A1

- Stainless steel IP68 single ended bending beam
- Hermetically sealed
- Suitable for pallet, platform and small hopper scales
- High accuracy
- Current calibrated (sc-option)

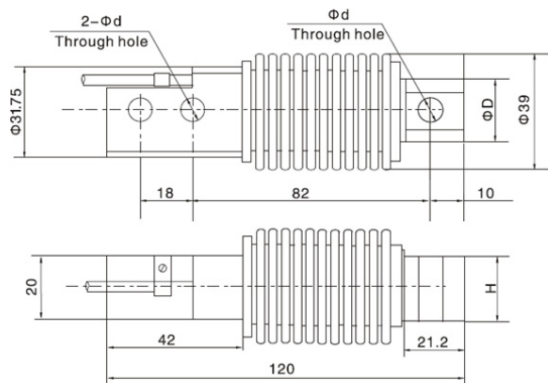
Available models

Capacity	Accuracy	Full article description
5 kg	C3 Excluded from OIML	BM11-C3-5kg-3B-SC
10 kg	C3/C4	BM11-C3/C4-10kg-3B-SC
20 kg	C3/C4	BM11-C3/C4-20kg-3B-SC
30 kg	C3/C4	BM11-C3/C4-30kg-3B-SC
50 kg	C3/C4	BM11-C3/C4-50kg-3B-SC
100 kg	C3/C4	BM11-C3/C4-100kg-3B-SC
200 kg	C3/C4	BM11-C3/C4-200kg-3B-SC
250 kg	C3/C4	BM11-C3/C4-250kg-3B-SC
350 kg	C3/C4	BM11-C3/C4-350kg-3B-SC
500kg	C3/C4	BM11-C3/C4-500kg-3B-SC

Specification

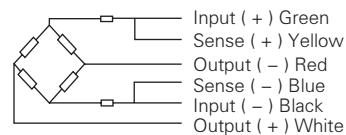
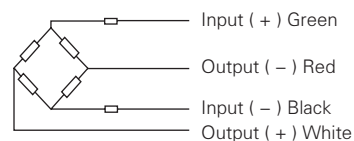
Accuracy class		C3	OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V		2.0 ± 0.2	
Maximum capacity (Emax)	klb	5	10, 20, 30, 50, 100, 200, 250, 350, 500	
Maximum number of load cell intervals (nLC)		3000	3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000	
Combined error	%FS	± 0.023		± 0.0174
Minimum dead load	of Emax	0%		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	460 ± 50		
Terminal resistance, output	Ω	350 ± 3.5		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Ingress Protection (according to EN 60529)		IP68		
Recommended torque on fixation bolts	N.m	M8:25 M10:50		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C C	II3G Ex nL IIC T4

Dimensions in mm



Capacity (kg)	5, 10, 20, 30, 50 100, 150, 200	250, 300, 350, 500
Dimension		
d	8.2 (0.32)	10.3 (0.41)
D	23 (0.91)	24 (0.94)
H	20 (0.79)	19 (0.75)

Wiring

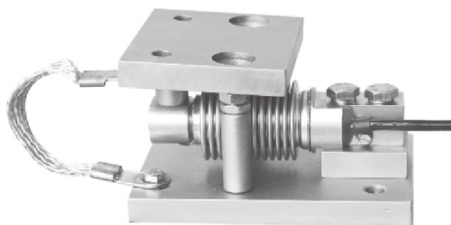


- Shielded, 6 and 4 conductor cable for all capacities.
- Cable diameter: Φ 5mm.
- Standard cable length for 4 conductor cable: 3m and for 6 conductor cable: 6m.
- Shield not connected to element

Accessories

BM-11-401

Stainless steel mounting kits, assembled with: BM11

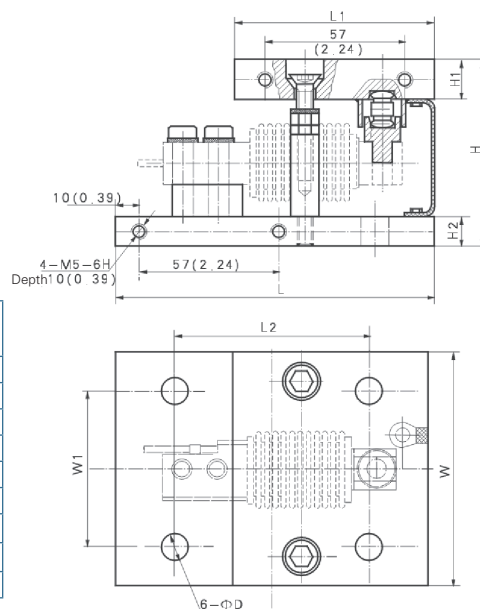


Capacity	Part number
5kg-200kg	BM-11-401-5/200kg
250kg-500kg	BM-11-401-250/500kg

Short description

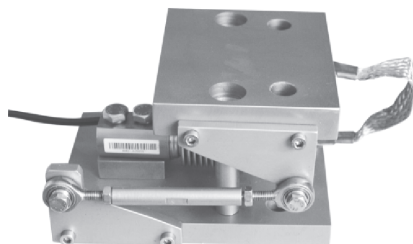
- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability

Dimension	5kg-200kg	250kg-500kg
Capacity (klb)		
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)



BM-11-402

Stainless steel mounting kits, assembled with: BM11

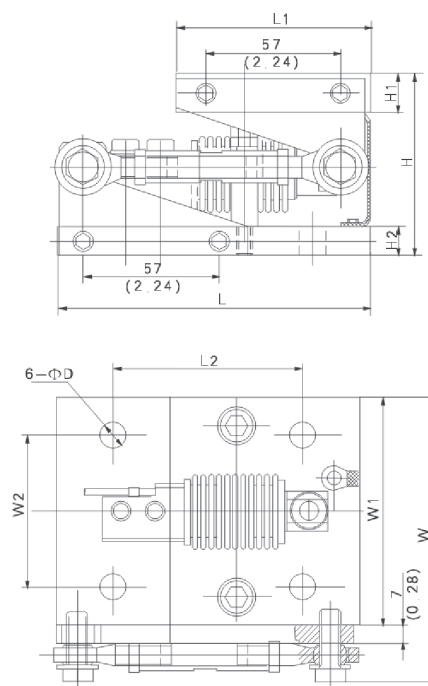


Capacity	Part number
5kg-200kg	BM-11-402-5/200kg
250kg-500kg	BM-11-402-250/500kg

Short description

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With anti-overloading ability
- With self-aligning ability

Dimension	5kg-200kg	250kg-500kg
Capacity (klb)		
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)



HM11



- Alloy steel, nickel-plated, single point bending beam, hermetically welded, tension or compression.
- Ingress Protection (according to EN 60529): IP68
- Suitable for belt scales, hopper scales and other electronic weighing devices.

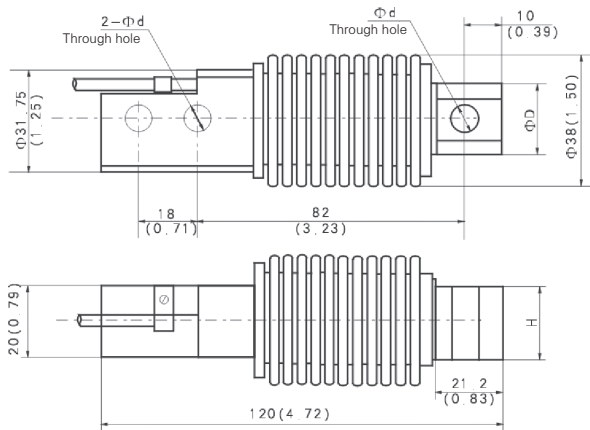
Available models

Capacity	Accuracy	Full article description
xxkg	C3	HM11-C3-xxkg-3B
xxkg	C3	HM11-C3-xxkg-6B6

Specification

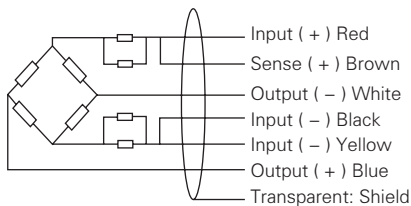
Maximum capacity (Emax)	kg	5/10/20/30/50/75/100/150/200/250/300/350/400/500
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.02
Terminal resistance, input	Ω	460 ± 50
Terminal resistance, output	Ω	350 ± 3.5
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature,compensated	°C	-10~+40
Temperature range, operating	°C	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
ATEX Class(Optional)		II1G Ex ia IIC T4 II1D Ex iaD20 T73°C II3G Ex nL II C T4

Dimensions in mm



Capacity (kg)	5,10,20,30,50,75 100,150,200,250	300,350, 400,500
Dimension		
d	8.2(0.32)	10.3(0.41)
D	23(0.91)	24(0.94)
H	20(0.79)	19(0.75)

Wiring

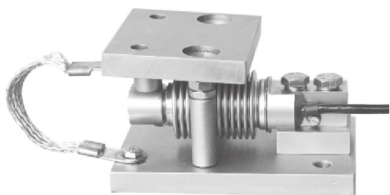


- Both 4 and 6 conductor wires are available on customer's requirements.
- Cable diameter: $\Phi 5 \pm 0.2\text{mm}$
- Standard length for 4 conductor cable: 3m
- Standard length for 6 conductor cable: 6m
- Note: Connection of 6 conductor wires are as above. For 4 conductor wires the yellow and blue sense wires are removed.

Accessories

BM-11-401

Stainless steel mounting kits, assembled with: HM11

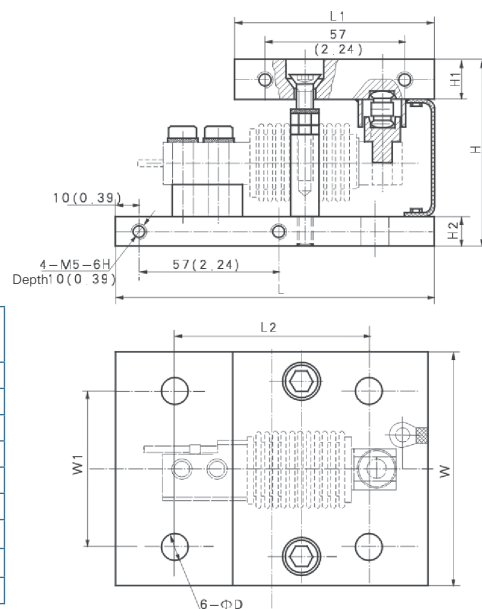


Short description

- Compact construction, easy installation
- With anti-reversal ability
- With anti-overloading ability
- With self-aligning ability

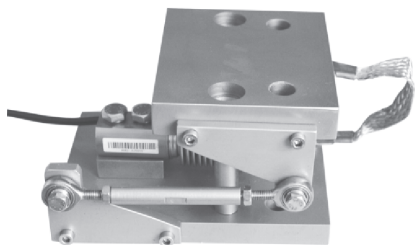
Capacity	Part number
5kg-250kg	BM-11-401-5/200kg
300kg-500kg	BM-11-401-250/500kg

Dimension Capacity (klb)	5kg-200kg	250kg-500kg
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)



BM-11-402

Stainless steel mounting kits, assembled with: HM11

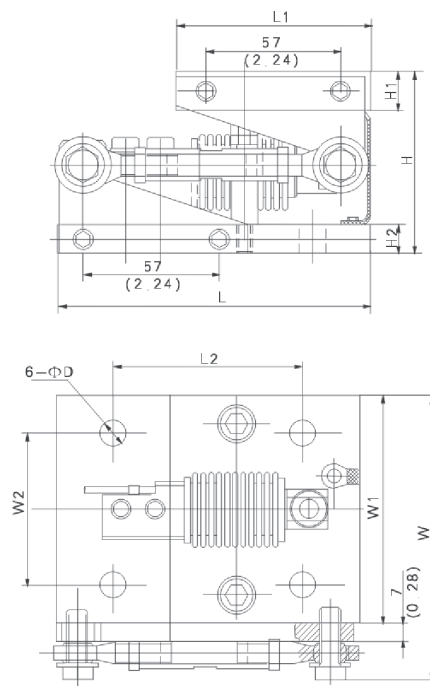


Capacity	Part number
5kg-250kg	BM-11-402-5/200kg
300kg-500kg	BM-11-402-250/500kg

Short description

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With anti-overloading ability
- With self-aligning ability

Dimension Capacity (klb)	5kg-200kg	250kg-500kg
H	77(3.03)	90(3.54)
H1	12(0.47)	20(0.79)
H2	12(0.47)	15(0.59)
L	130(5.12)	160(6.3)
L1	75(2.95)	100(3.94)
L2	95(3.74)	100(3.94)
W	90(3.54)	120(4.72)
W1	60(2.36)	80(3.15)
ΦD	Φ9(0.35)	Φ14(0.55)



BM14A



test certificate no. D09-07.01

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Built in surge arrestors
- Current calibrated (sc-option)

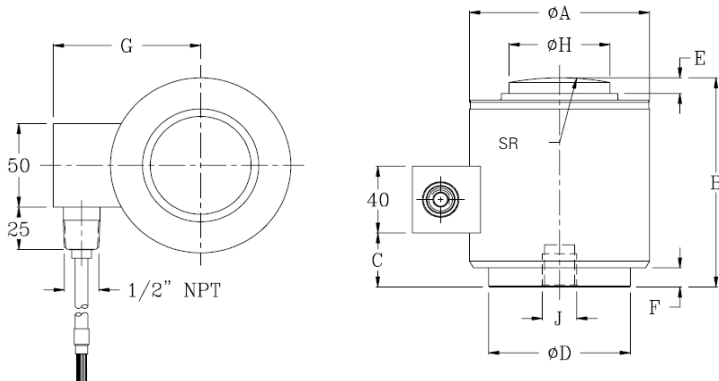
Available models

Capacity	Accuracy	Full article description
10 t	C3	BM14A-C3-10t-10B
25 t	C3	BM14A-C3-25t-20B
40 t	C3	BM14A-C3-40t-20B
60 t	C3	BM14A-C3-60t-20B
100 t	C3	BM14A-C3-100t-20B
200 t	G1 Excluded from OIML	BM14A-G1-200t-20B

Specification

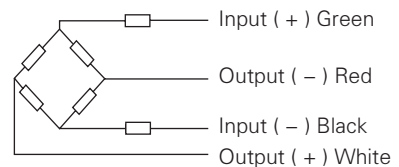
Accuracy class		OIML R60 C3		G1
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum capacity (Emax)	t	10, 25, 40	60, 100	200
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = Emax / vmin		9000	10000	
Combined error	%FS	± 0.023		± 0.100
Minimum dead load	t	0		
Safe overload	of Emax	150 %		
Ultimate overload	of Emax	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Terminal resistance, input	Ω	450 ± 5		
Terminal resistance, output	Ω	480 ± 5		
Insulation impedance	MΩ	≥ 5000 (at 50VDC)		
Temperature range, compensated	°C	-10 ~ +40		
Temperature range, operating	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Ingress Protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm



Capacity	ΦA	B	C	ΦD	E	F	G	ΦH	J	SR
10t,25t	73 (2.87)	82.5 (3.25)	12 (0.47)	58 (2.28)	7 (0.28)	1.8 (0.07)	64 (2.52)	31.8 (1.25)	M12	152 (5.98)
40t,60t	105 (4.13)	127 (5.0)	34 (1.34)	82.5 (3.25)	9 (0.35)	11 (0.43)	87 (3.43)	58.7 (2.31)	M20	152 (5.98)
100t	152.4 (6.0)	184 (7.24)	72 (2.83)	123.8 (4.87)	23 (0.91)	21 (0.83)	108 (4.25)	79.4 (3.13)	M20	432 (17.01)
200t	167.6 (6.60)	228.6 (9.0)	92 (3.62)	136.3 (5.37)	10 (0.39)	25 (0.98)	123 (4.84)	93.7 (3.69)	M20	432 (17.01)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ 7.7mm.
- Standard cable length for 10t: 10m and for all other capacities: 20m.
- Shield not connected to element

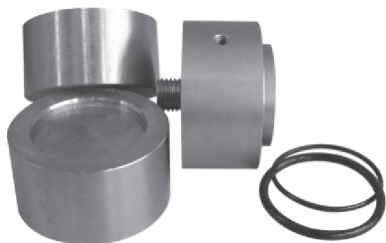
Accessories

BY-14-101

Stainless steel

Assembled with: BM14A

M8 screw hole is for anti-reversal occasion.

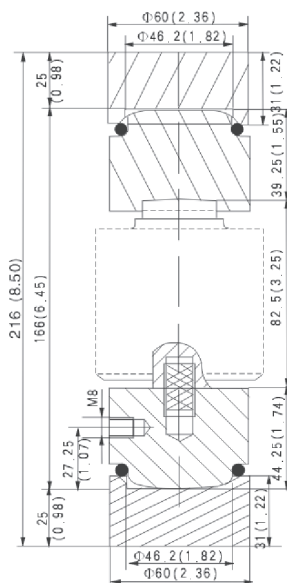


Capacity	Part number
5t, 10t, 25t	BY-14-101-5/25t
40t, 60t	BY-14-101-40/60t
10klb, 25klb, 50klb	BY-14-101-10/50K
100klb	BY-14-101-100K

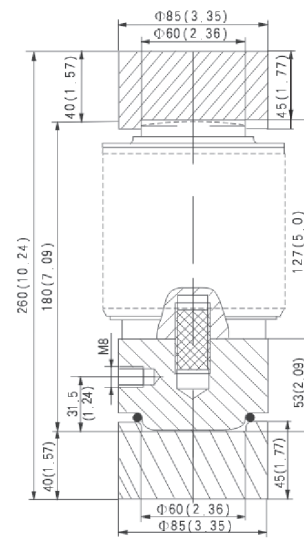
Short description

Easy installation, good self-aligning ability, anti-reversal ability.

5t ~25t, 10klb~50klb



40t~60t, 100klb



HM-14-409

Alloy steel

Assembled with: BM14A

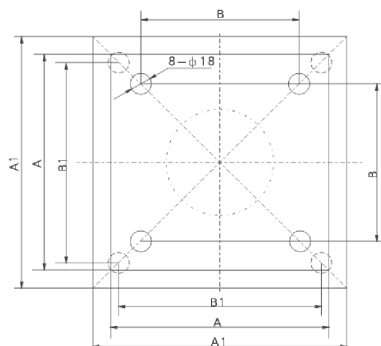
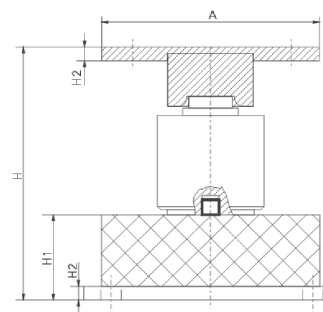


Capacity	Part number
5t~25t	HM-14-409-5/25t
40t~60t	HM-14-409-40/60t

Short description

- Compact structure, easy installation.
- Automatic reset function.

Capacity	A	A1	B	B1	H	H1	H2
5t~25t	200 (7.87)	200 (7.87)	150 (5.91)	150 (5.91)	200 (7.87)	53 (2.09)	18 (0.71)
40t~60t	200 (7.87)	225 (8.86)	150 (5.91)	180 (7.09)	240 (9.45)	63 (2.48)	23 (0.91)



BM14C



test certificate no. D09-07.03 Revision 1

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Built in surge arrestors
- High accuracy
- Current calibrated (sc-option)

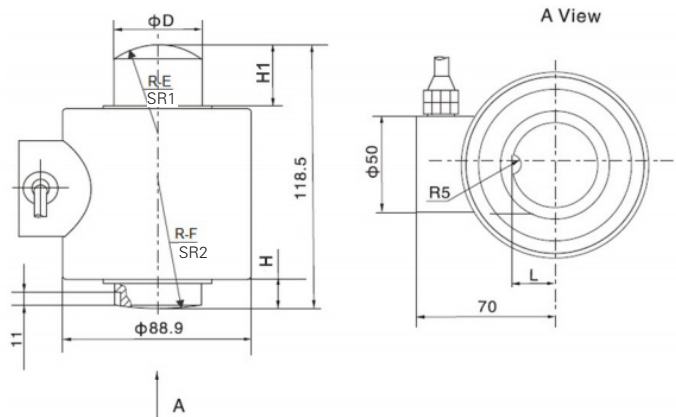
Available models

Capacity	Accuracy	Full article description
0.5 t	C3 Excluded from OIML	BM14C-C3-0.5t-15B
1.0 t	C3 Excluded from OIML	BM14C-C3-1.0t-15B
2.0 t	C3 Excluded from OIML	BM14C-C3-2.0t-15B
3.0 t	C3 Excluded from OIML	BM14C-C3-3.0t-15B
5.0 t	C3 Excluded from OIML	BM14C-C3-5.0t-15B
10 t	C3/C4	BM14C-C3/C4-10t-15B
20 t	C3/C4	BM14C-C3/C4-20t-15B
25 t	C3/C4	BM14C-C3/C4-25t-15B
30 t	C3/C4	BM14C-C3/C4-30t-15B
40 t	C3/C4	BM14C-C3/C4-40t-15B
50 t	C3/C4	BM14C-C3/C4-50t-15B

Specification

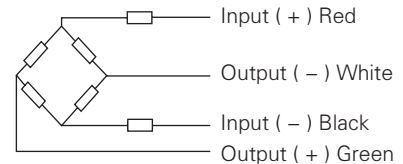
Accuracy class		C3	OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum capacity (Emax)	t	0,5, 1, 2, 3, 5	10, 20, 25, 30, 40, 50	
Maximum number of load cell intervals (nLC)			3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin			10000	15000
Combined error	%FS		± 0.023	± 0.0174
Minimum dead load	t		0	
Safe overload	of Emax		150 %	
Ultimate overload	of Emax		300 %	
Zero balance	%FS		± 1.0	
Excitation, recommended voltage	V		5 ~ 12(DC)	
Excitation maximum	V		18(DC)	
Terminal resistance, input	Ω		700 ± 7	
Terminal resistance, output	Ω		703 ± 4	
Insulation impedance	MΩ		≥ 5000 (at 50VDC)	
Temperature range, compensated	°C		-10 ~ +40	
Temperature range, operating	°C		-35 ~ +65	
Element material			Stainless steel	
Ingress Protection (according to EN 60529)			IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C	II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	ΦD	L	SR1	SR2	H	H1
0.5-5t	40 (1.57)	22 (0.87)	25 (0.98)	150 (5.91)	14 (0.55)	31.5 (1.24)
10-30t	40 (1.57)	22 (0.87)	37.5 (1.48)	150 (5.91)	14 (0.55)	31.5 (1.24)
40-50t	50 (1.97)	27 (1.06)	200 (7.87)	200 (7.87)	21 (0.83)	24.5 (0.96)

Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length : 15m
- Shield not connected to element

Accessories

HM-14-401

Alloy steel

Assembled with: BM14C, HM14C(without top plate and bottom plate)

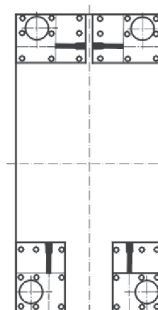
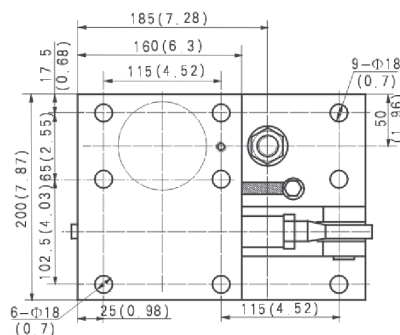
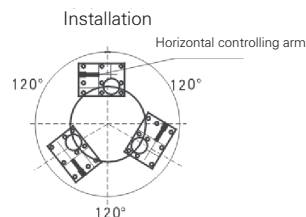
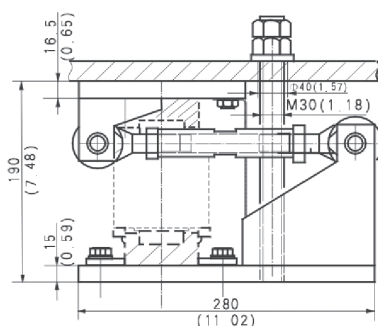


Capacity	Part number
10t~50t	HM-14-401-10/50t

Short description

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With self-aligning ability

Specification	
Ultimate load	150%FS
Max.anti-rotation	50KN
Max.anti-side loading	50KN
Max.horizontal displacement	5.4mm



HM-14-403

Alloy steel

Assembled with: BM14C, HM14C(without top plate and bottom plate)

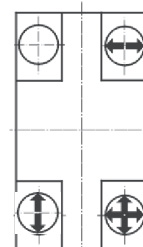
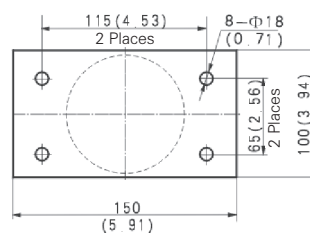
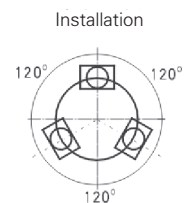
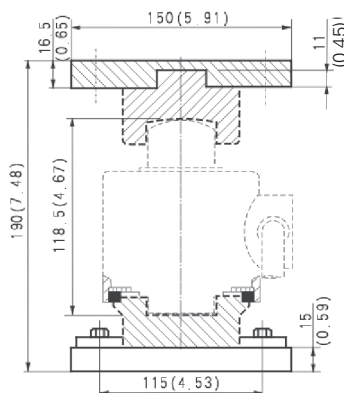


Capacity	Part number
10t~50t	HM-14-403-10/50t

Short description

- Compact construction, easy installation
- With self-aligning ability

Optional table		
Part number	Designation	Cutline
HM-14-403-1	Fixed	○
HM-14-403-2	Half-floating	⊕
HM-14-403-3	Floating	⊗



BM14D

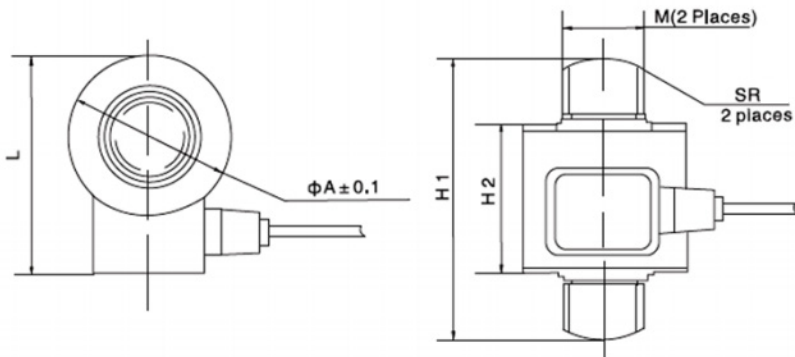


- Stainless steel IP68 compression/tension load cell
- Hermetically sealed
- Suitable for vehicle and hopper scales and vehicle testing facilities
- Built in surge arrestors

Available models		
Capacity	Accuracy	Full article description
10 t	C2	BM14D-C2-10t-13B
20 t	C2	BM14D-C2-20t-13B
25 t	C2	BM14D-C2-25t-13B
30 t	C2	BM14D-C2-30t-13B
40 t	C2	BM14D-C2-40t-13B
50 t	C2	BM14D-C2-50t-13B
100 t	C2	BM14D-C2-100t-13B

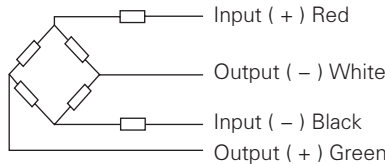
Specification			
Accuracy class		C2	
Output sensitivity (= FS)	mV/V	1.5 ± 0.003	
Maximum capacity (Emax)	t	10, 20, 25, 30, 40, 50, 100	
Maximum number of load cell intervals (nLC)		2000	
Ratio of minimum LC verification interval Y = Emax / vmin		5000	
Combined error	%FS	± 0.030	
Minimum dead load	of Emax	0%	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm



Dimension Capacity	H1	H2	ΦA	L	M	SR
10t~20t	180 (7.08)	69.3 (2.73)	73 (2.87)	99.7 (3.92)	M36 × 3	200 (7.87)
25t~30t	200 (7.87)	70 (2.75)	88.9 (3.5)	115.6 (4.55)	M42 × 3	250 (9.84)
40t~60t	250 (9.84)	99.3 (3.91)	105 (4.13)	138.3 (5.44)	M56 × 4	300 (11.81)
100t	350 (13.7)	131.9 (5.19)	152.4 (4.93)	183.9 (7.14)	M76 × 4	400 (15.75)

Wiring



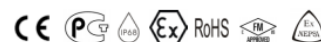
- Shielded, 4 conductor cable.
- Cable diameter: Φ7.7mm
- Standard cable length: 13m.
- Shield not connected to element

BM14G

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for hopper scales and vehicle testing facilities
- Built in surge arrestors
- Current calibrated (sc-option)

Available models

Capacity	Accuracy	Full article description
xx t	C3/C4	BM14G-C3/C4-xx t-15B
xx t	C3/C4	BM14G-C3/C4-xx t-15B-W1



test certificate no. TC7778 Revision 0
C of C no R60/2000-NL1-10.10

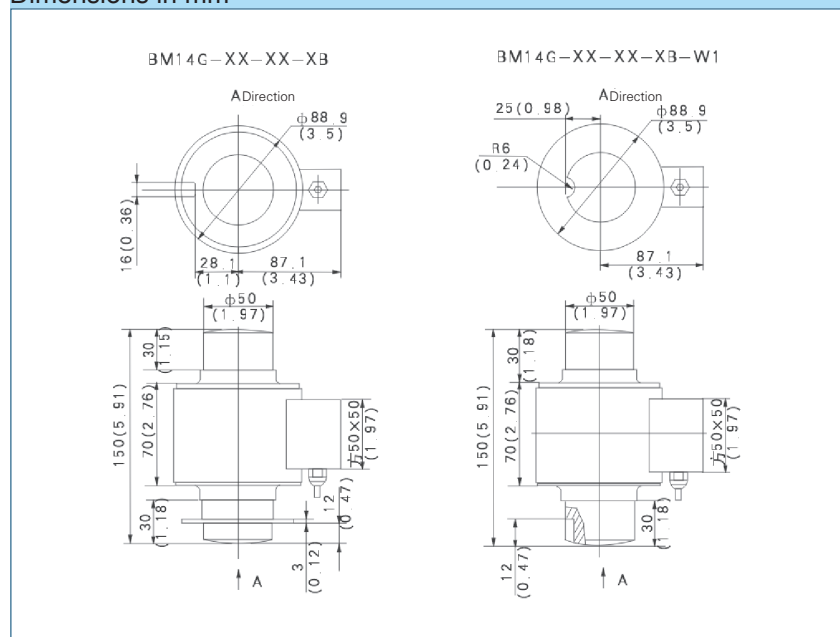


Certificate no. 10-087

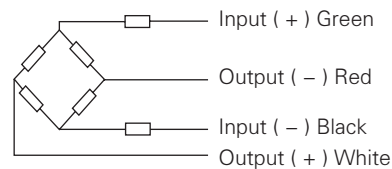
Specification

		OIML R60 C3	OIML R60 C4
Accuracy class			
Output sensitivity (= FS)	mV/V	2.0 ± 0.02	
Maximum capacity (Emax)	t	10, 20, 30, 40, 50	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		8800	
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	t	0	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm



Wiring



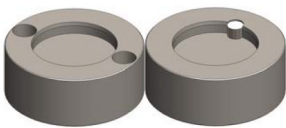
- Shielded, 4 conductor cable
- Cable Diameter: Φ5mm
- Standard cable length: 15m
- Shield not connected to element

Note:

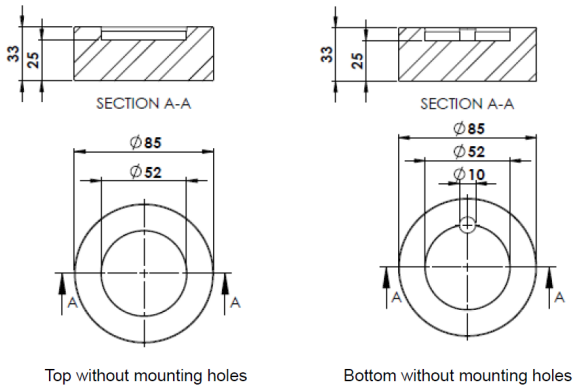
- BM14G-XX-XX-XB type is not suitable for the following countries: UK, France, Germany, Italy, The Netherlands.
- Users can choose different structures of BM14G products, or contact with ZEMIC sales representatives for further products information.

Accessories

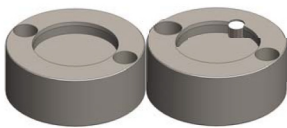
BY-14-125-10t/50t



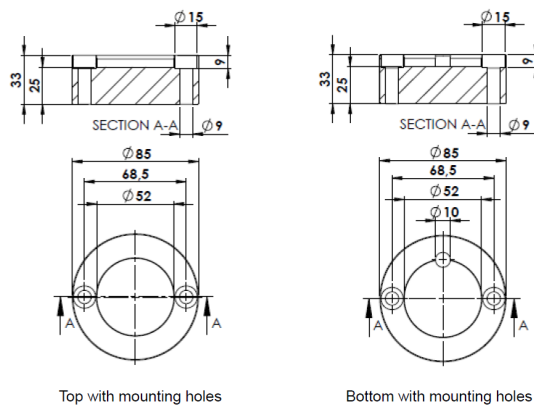
1 piece, top with mounting holes
1 piece, bottom without mounting holes



BY-14-126-10t/50t



1 piece, top with mounting holes
1 piece, bottom with mounting holes

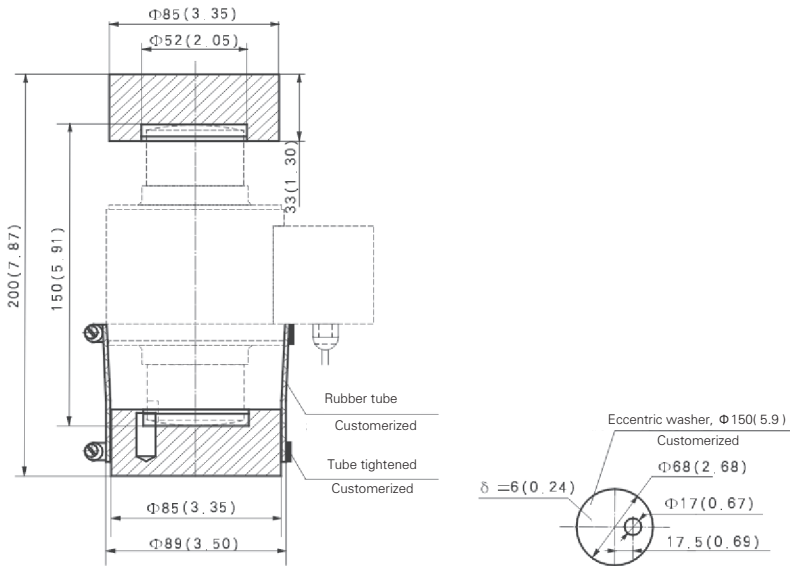


BY-14-108

Stainless steel, assembled with: BM14G(-W1)



Capacity	Part number
10t-50t	BY-14-108-10/50t



Short description

Easy installation, good self-aligning ability, anti-reversal ability.

BM14K

- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for hopper scales and vehicle testing facilities
- Built in surge arrestors

Available models

Capacity	Accuracy	Full article description
t	C3	BM14K-C3--XXB6
t	C3	BM14K-C3--XXB6-W1

XX is the length of the cable code, XX is 12(10t-30t) or 20 (40t-100t).



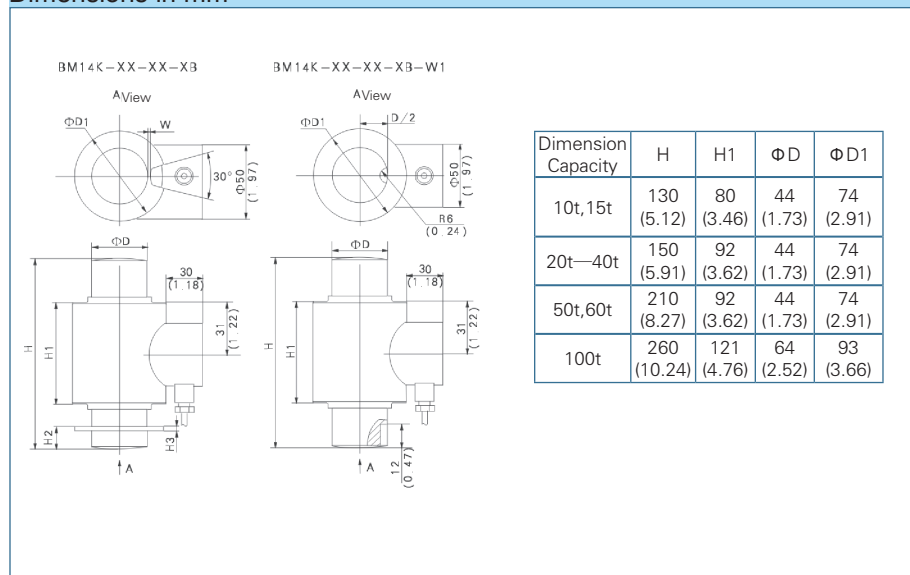
OIML test certificate no. D09-07.02

Certificate no. 10-087

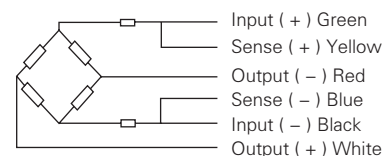
Specification

Accuracy class		OIML R60 C3	
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (Emax)	t	10, 15, 20, 30, 40, 50	60, 100
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		7000	9000
Combined error	%FS	± 0.020	
Minimum dead load	of Emax	0 %	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5.6mm
- Standard cable length for 10t - 30t: 12m,
- for 30t: 18m and for 40t - 100t: 20m.
- Shield not connected to element.

Note:

- BM14K-XX-XX-XB type is not suitable for the following countries: UK, France, Germany, Italy, The Netherlands.
- Users can choose different structures of BM14K products, or contact with ZEMIC sales representatives for further products information.

Accessories

BY-14-109

Stainless steel, assembled with: BM14K(-WI)
Locating pin on the bottom plate is for anti-rotation occasion.

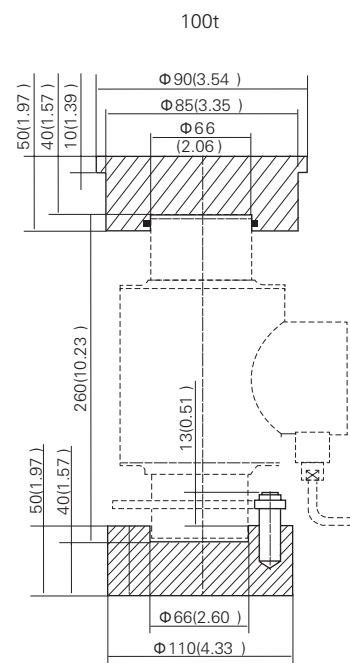
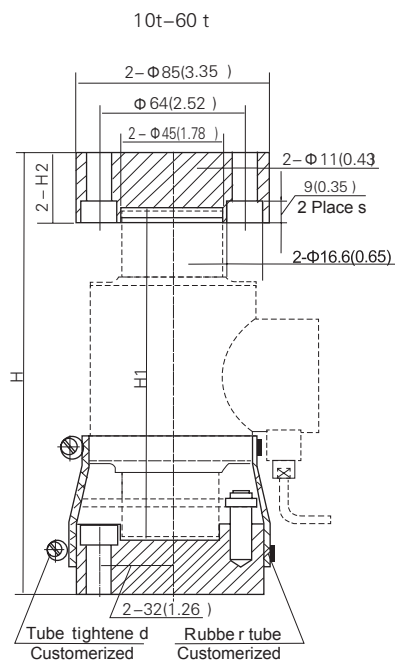


Short description

Easy installation, good self-aligning ability, anti-reversal ability.

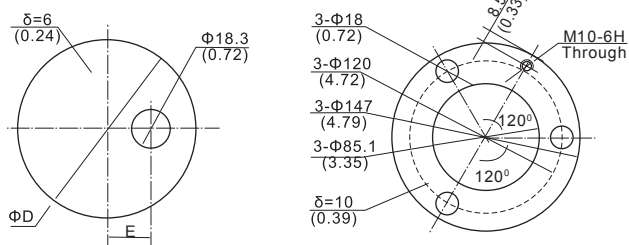
Capacity	Part number
10t,15t	BY-14-109-10/15t
20t-40t	BY-14-109-20/40t
50t,60t	BY-14-109-50/60t
100t	BY-14-109-100t

Dimensions in mm



Eccentric washer, Φ165(6.5)
Customized

The locating circle can
be offered on requests.



Dimension	10t,15t	20t-40t	50t,60t	100t
Capacity				
H	160(6.3)	200(7.87)	260(10.24)	See pictures
H1	130(5.12)	150(5.91)	210(8.27)	See pictures
H2	22(0.87)	32(1.26)	32(1.26)	See pictures
D	80(3.15)	80(3.15)	80(3.15)	55(2.17)
E	18.9(0.74)	18.9(0.74)	18.9(0.74)	14(0.55)

Accessories

BY-14-102

Stainless steel,
Assembled with: BM14K
Locating pin on the bottom plate is for anti-rotation occasion.

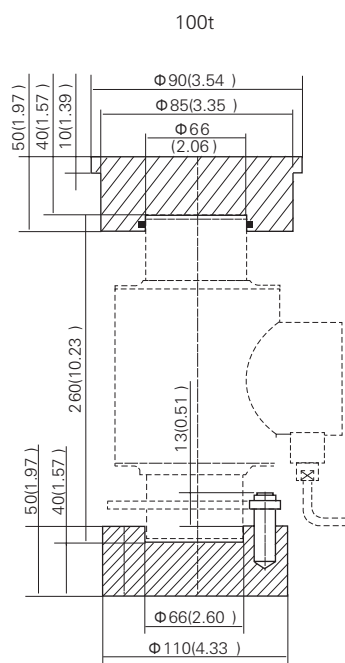
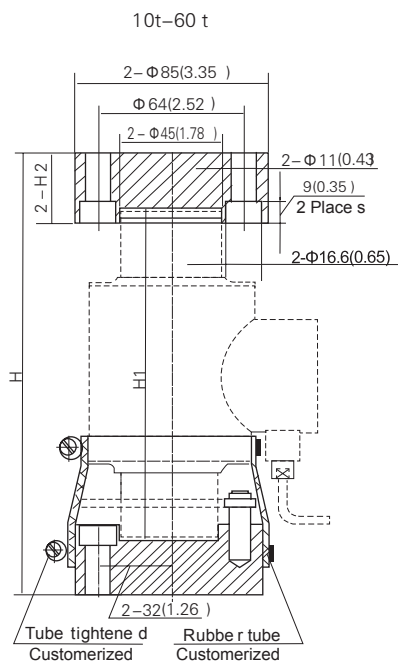


Short description

- Easy installation, good self-aligning ability, anti-reversal ability.
- Stainless steel construction, anti-corrosion, can be used under hazardous environments.
- Mainly used for platform scales, automobile testing facilities, electronic truck scales and other electronic weighing devices.

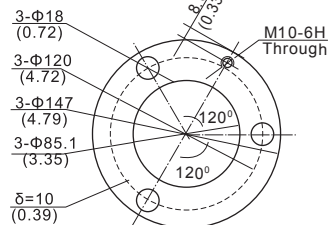
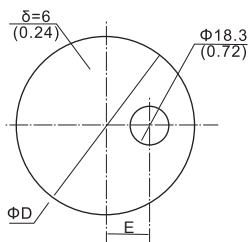
Capacity	Part number
10t,15t	BY-14-102-10/15t
20t-40t	BY-14-102-20/40t
50t,60t	BY-14-102-50/60t
100t	BY-14-102-100t

Outline Dimension mm(inch)



Eccentric washer, Φ165(6.5)
Customized

The locating circle can
be offered on requests.



Dimension	10t,15t	20t-40t	50t,60t	100t
Capacity				
H	160(6.3)	200(7.87)	260(10.24)	See pictures
H1	130(5.12)	150(5.91)	210(8.27)	See pictures
H2	22(0.87)	32(1.26)	32(1.26)	See pictures
D	80(3.15)	80(3.15)	80(3.15)	55(2.17)
W	18.9(0.74)	18.9(0.74)	18.9(0.74)	14(0.55)

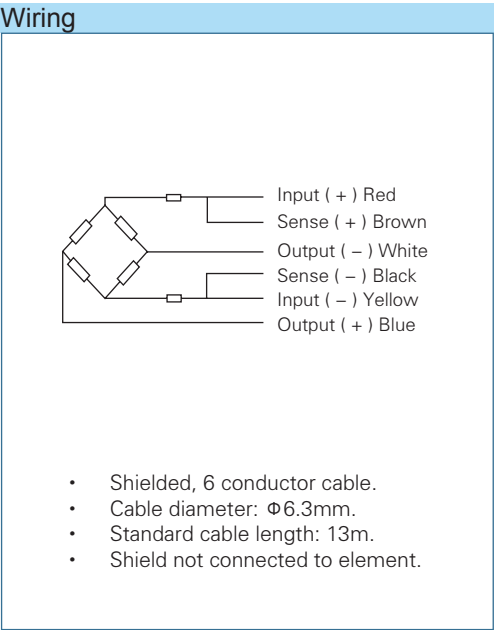
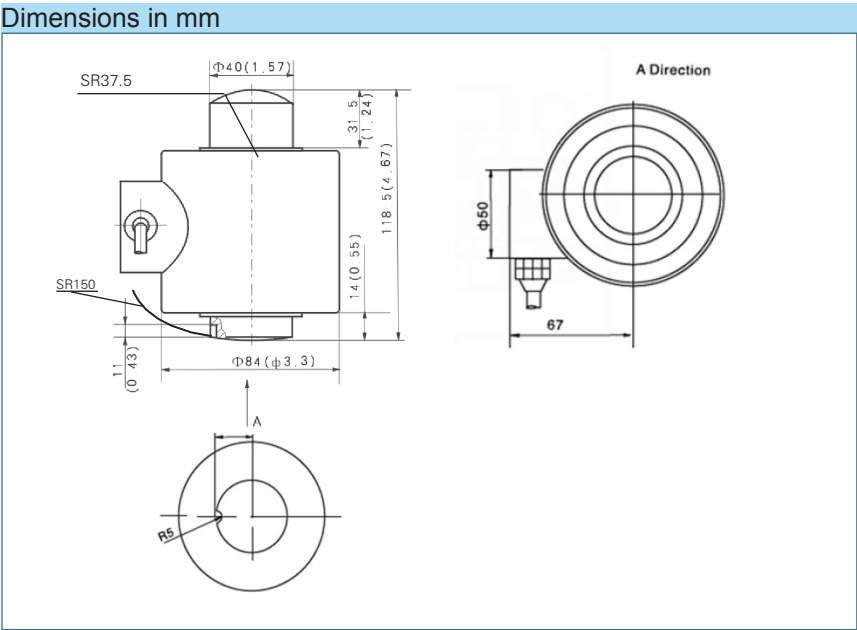
HM14C



- Nickel plated alloy steel IP68 column shear load cell
- Hermetically sealed
- Suitable for truck, track, hopper and other electronic weighing devices
- High accuracy
- Protected against lightning surges
- Current calibrated (sc option)

Available models		
Capacity	Accuracy	Full article description
10t	C3	HM14C-C3-10t-13B6
20t	C3	HM14C-C3-20t-13B6
25t	C3	HM14C-C3-25t-13B6
30t	C3	HM14C-C3-30t-13B6
50t	C3	HM14C-C3-50t-13B6

Specification			
Accuracy class		C3	
Output sensitivity (= FS)	mV/V	1.5 ± 0.004	
Maximum capacity (Emax)	t	10, 20, 25, 30, 50	
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		7500	
Combined error	%FS	± 0.023	
Minimum dead load	of Emax	0 %	
Safe overload	of Emax	150 %	
Ultimate overload	of Emax	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Terminal resistance, input	Ω	700 ± 7	
Terminal resistance, output	Ω	703 ± 4	
Insulation impedance	MΩ	≥ 5000 (at 50VDC)	
Temperature range, compensated	°C	-10 ~ +40	
Temperature range, operating	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Nickel plated alloy steel	
Ingress Protection (according to EN 60529)		IP68	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73°C II3G Ex nL IIC T4



Accessories

HM-14-401

Alloy steel

Assembled with: BM14C, HM14C(without top plate and bottom plate)

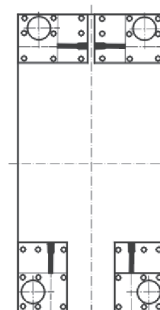
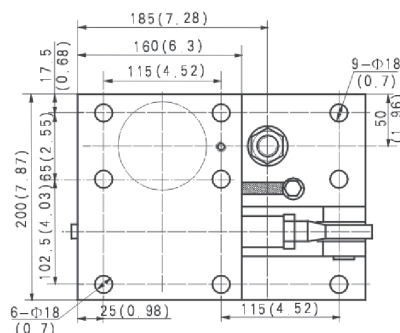
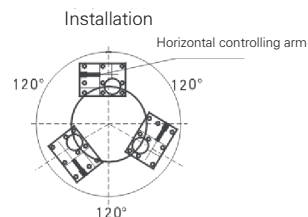
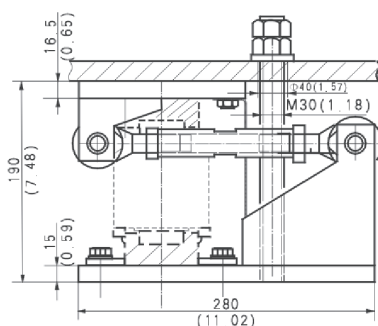


Capacity	Part number
10t-50t	HM-14-401-10/50t

Short description

- Compact construction, easy installation
- With anti-reversal ability
- With horizontal locating ability
- With self-aligning ability

Specification	
Ultimate load	150%FS
Max.anti-rotation	50KN
Max.anti-side loading	50KN
Max.horizontal displacement	5.4mm



HM-14-403

Alloy steel

Assembled with: BM14C, HM14C(without top plate and bottom plate)

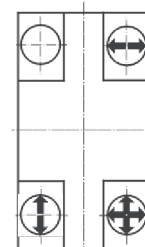
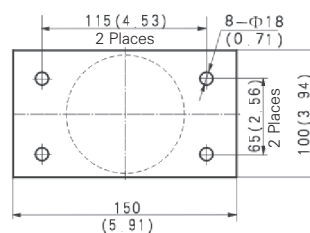
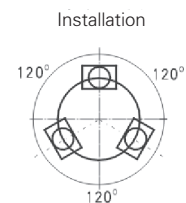
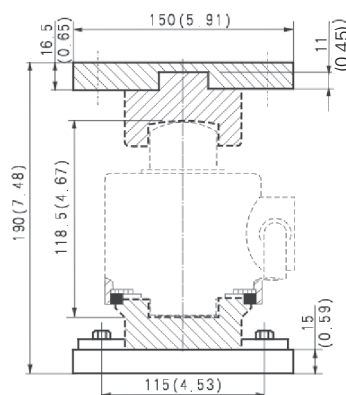


Capacity	Part number
10t-50t	HM-14-403-10/50t

Short description

- Compact construction, easy installation
- With self-aligning ability

Optional table		
Part number	Designation	Cutline
HM-14-403-1	Fixed	○
HM-14-403-2	Half-floating	⊕
HM-14-403-3	Floating	⊕



H14W



- Tool steel IP66 compression load cell
- Epoxy coated
- Cable suitable for application with higher temperatures up to 130°C
- Low profile
- Double bridge option from 13t and up

Available models

Capacity	Accuracy	Full article description
2.8 t	G1/G2	H14W-G1/G2-2.8t-6B
6 t	G1/G2	H14W-G1/G2-6t-6B
13 t	G1/G2	H14W-G1/G2-13t-6B
28 t	G1/G2	H14W-G1/G2-28t-6B
60 t	G1/G2	H14W-G1/G2-60t-6B
130 t	G1/G2	H14W-G1/G2-130t-6B
280 t	G1/G2	H14W-G1/G2-280t-6B
350 t	G1/G2	H14W-G1/G2-350t-6B
500 t	G1/G2	H14W-G1/G2-500t-6B

Specification

Accuracy class		G1		G2	
Output sensitivity (= FS)	mV/V	1.5 ± 0.008	1.5 ± 0.1	1.5 ± 0.008	1.5 ± 0.1
Maximum capacity (Emax)	t	2.8, 6, 13, 28, 60, 130, 280	350, 500	2.8, 6, 13, 28, 60, 130, 280	350, 500
Combined error	%FS	± 0.100		± 0.200	
Minimum dead load	Of Emax	0 %			
Hysteresis	%FS	± 0.050		± 0.100	
Minimum dead load output return	%FS	± 0.050		± 0.070	
Creep error (30 minutes)	%FS	± 0.060		± 0.080	
Creep error (20–30 minutes)	%FS	± 0.015		± 0.020	
Temperature effect on Minimum dead load output	%FS/10°C	± 0.05		± 0.05	
Temperature effect on output	%FS/10°C	± 0.5		± 0.5	
Safe overload	of Emax	150 %			
Ultimate overload	of Emax	300 %			
Zero balance	%FS	± 1.5 %			
Excitation, recommended voltage		5 ~ 12(DC)			
Excitation maximum		15(DC)			
Terminal resistance, input	Ω	275 ± 5 (760 ± 7 for 350t and 500t)			
Terminal resistance, output	Ω	245 ± 0.2 (700 ± 3.5 for 350t and 500t)			
Insulation impedance		≥ 5000 (at 50V/DC)			
Temperature range, compensated	°C	-35 ~ +65			
Temperature range, operating		-40 ~ +70			
Storage temperature		Stainless steel			
Element material		IP68			
Ingress Protection (according to EN 60529)		IP68			
ATEX classification (optional)		II3G Ex nL IIC T4			

Terminal input resistance

Terminal output resistance

Insulation resistance

Compensated temperature

Operating temperature

数据不一致

Tool steal paint

Ingress Protection(acc.to EN 60529)

Terminal input resistance
Terminal output resistance

Insulation resistance

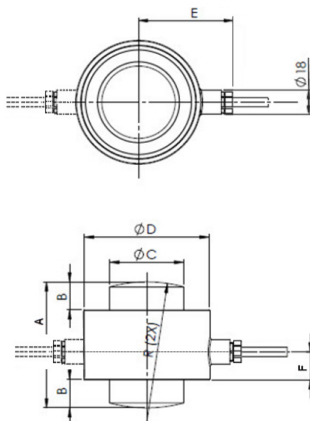
Compensated temperature
Operating temperature

数据不一致

Tool steel painted

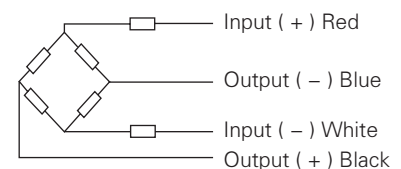
Ingress Protection(acc.to EN 60529)

Dimensions in mm



Dimension Capacity	A	B	ΦC	ΦD	E	F	R
2.8t, 6t	56 (2.20)	8 (0.31)	16.7 (0.66)	45 (1.77)	40.5 (1.59)	20 (0.79)	50 (1.97)
13t	68 (2.68)	12 (0.47)	24.5 (0.96)	55 (2.17)	45.5 (1.79)	20 (0.79)	66 (2.60)
28t	74 (2.91)	14 (0.55)	36 (1.42)	64 (2.52)	50 (1.97)	20 (0.79)	72 (2.83)
60t	90 (3.54)	20 (0.79)	52.7 (2.07)	90 (3.54)	63 (2.48)	20 (0.79)	100 (3.94)
130t	116 (4.57)	26 (1.02)	77.5 (3.05)	121 (4.76)	78.5 (3.09)	20 (0.79)	125 (4.92)
280t	170 (6.69)	45 (1.77)	114 (4.49)	165 (6.50)	100.5 (3.96)	20 (0.79)	183 (7.20)
350t	240 (9.45)	40 (1.57)	132 (5.20)	202 (7.95)	127 (5.0)	50 (1.97)	325 (12.80)
500t	275 (10.83)	47 (1.85)	155 (6.10)	236 (9.29)	144 (5.67)	50 (1.97)	450 (17.72)

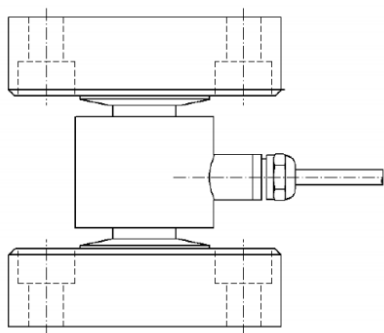
Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ6mm.
- Standard cable length for 2.8t – 6t: 6m, for 13t – 60t: 15m and for 130t – 500t: 20m.
- Shield not connected to element.

Accessories

HY-14-147



描述与欧洲公司样
本不符

Features

- Assembled with load cell H14W
- Alloy steel construction
- Built-in horizontal movement control
- Easy load cell (re)placement after mount installation.
- Good self-aligning ability ,anti-reversal

Specification

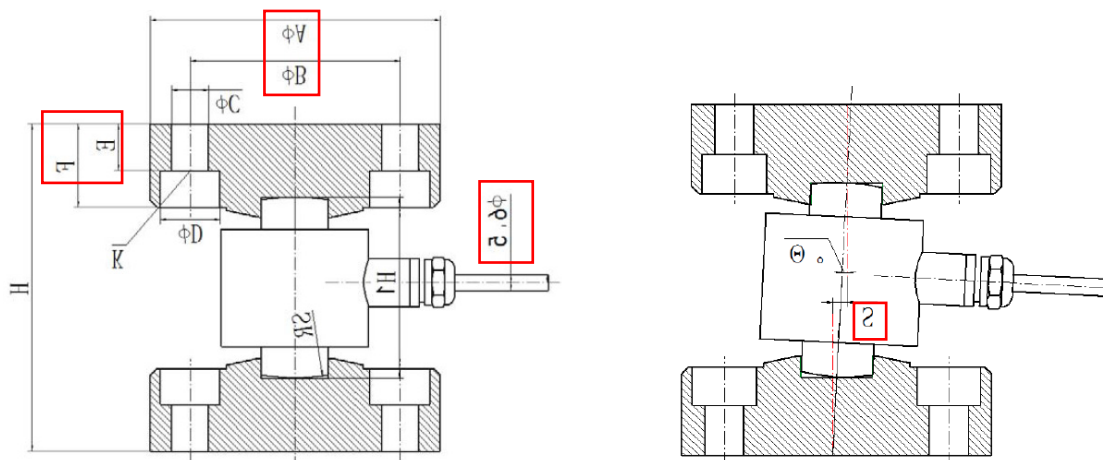
Capacity	SR	H1	$\Theta_{\max}$ 1)	S max 2)	FR (% of applied load) 3)	
					at S max	at S=1mm
2.8t / 6t	50	56	5°	4.9	6.8%	1.39%
13	66	68	5°	5.9	8.2%	1.38%
28	72	74	5°	6.5	8.2%	1.26%
60	100	90	5°	7.8	10.6%	1.35%
130t	125	116	3°	6.1	6.0%	0.99%
280t	183	170	3°	8.9	6.0%	0.67%

1) $\Theta_{\max}$: Maximum permissible skewing

2) S max : Maximum horizontal movement

3) FR : Maximum horizontal force

Dimensions in mm



Dimension Capacity	ΦA	ΦB	ΦC	ΦD	E	F	K	H
2.8t, 6t	Φ87	Φ63	Φ11	Φ18	14	25	Two drilled holes 180°	100
13t	Φ97	Φ73	Φ11	Φ18	21	32		120
28t	Φ108	Φ84	Φ11	—	—	28		136
60t	Φ137	Φ112	Φ11	—	—	42	Four drilled holes 90°	174
130t	Φ176	Φ148	Φ11	—	—	52		220
280t	Φ226	Φ190	Φ14	—	—	65		300

HM14L



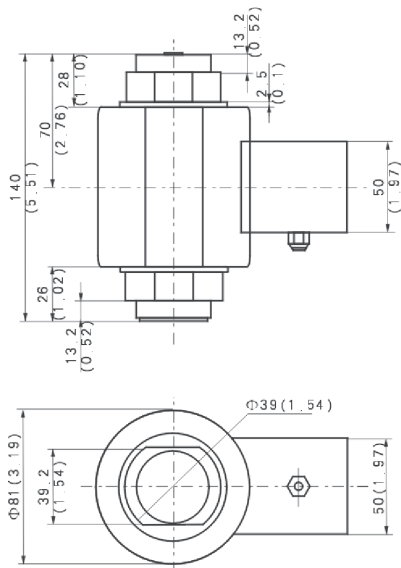
- Alloy steel, nickel-plated, column structure, hermetically welded.
- Ingress Protection (according to EN 60529): IP68
- Lightning protection up to 10,000V, suitable for truck scales, platform scales, hopper scales and other electronic weighing devices.

Available models		
Capacity	Accuracy	Full article description
30t	C3	HM14L-C3-30t-15B
40t	C3	HM14L-C3-40t-15B

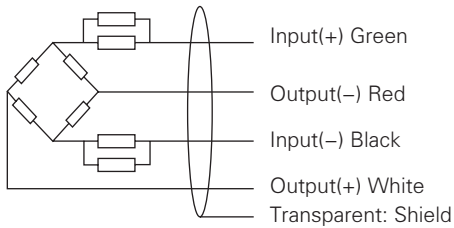
Specification

Maximum capacity (Emax)	t	30/40
Output sensitivity (= FS)	mV/V	2.0 ± 0.002
Accuracy class		C3
Combined error	%FS	0.02
Hysteresis	%FS	0.02
Non-repeatability	%FS	0.011
Creep	%FS/30min	0.016
Zero output	%FS	± 1.0
Temperature,compensated	°C	-10~+40
Temperature range, operating	°C	-35~+65
Temperature effect on sensitivity	%FS/10°C	± 0.011
Temperature effect on zero	%FS/10°C	± 0.015
Terminal resistance, input	Ω	1150 ± 3
Terminal resistance, output	Ω	1000 ± 3.5
Insulation impedance	MΩ	≥ 5000(at 50VDC)
Excitation, recommended voltage	V	5~12 (DC)
Excitation maximum	V	18 (DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300

Dimensions in mm



Wiring



- Adopt shielded, 4 conductor cable: Φ5mm
- Standard cable length: 15m.

HM14H1

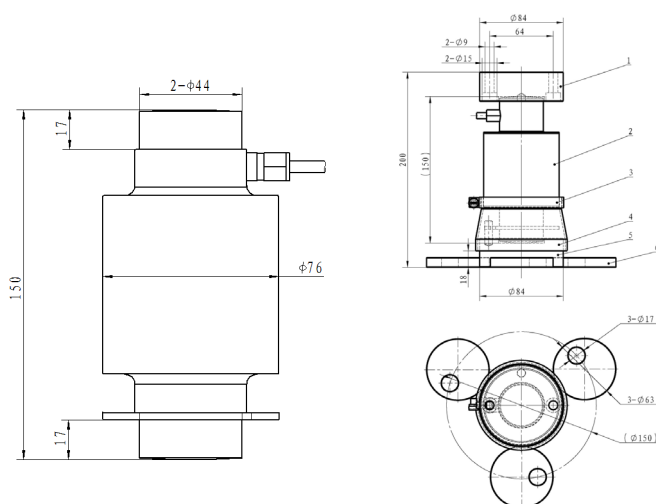
- Alloy steel, hermetically welded, oil-proof, waterproof and anti-corrosion, suitable for all kinds of environments;
- Column structure, anti-reversal design, good, self-aligning ability, suitable for electronic platform scales, automobile testing facilities, hopper scales and other electronic weighing devices.



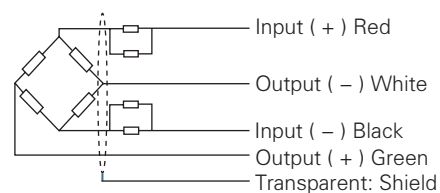
Specification

Maximum capacity (Emax)	t	10/15/20/25/30/40/50/60
Accuracy class		C3
Maximum number of verification intervals	N.max	3000
Maximum number of load cell intervals (nLC)	Vmin	Emax/10000
Combined error	%FS	± 0.020
Creep	%FS/30min	± 0.016
Temperature effect on sensitivity	%FS/10℃	± 0.011
Temperature effect on zero	%FS/10℃	± 0.015
Output sensitivity (= FS)	mV/V	2.0 ± 0.002
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	703 ± 4
Insulation impedance	MΩ	≥ 5000(50VDC)
Zero balance	%FS	± 1.0
Temperature, compensated	℃	-10~+40
Temperature range, operating	℃	-35~+70
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	of Emax	150
Ultimate overload	of Emax	300
Ingress Protection (according to EN 60529)		IP68

Outline Dimension mm



Wiring



- Cable diameter: $\Phi 5.0 \pm 0.2\text{mm}$ 4 wires;
- Standard cable length: 15m.

Part No.	1	2	3	4	5	6
Name	Upper Button	Load Cell	Tube Clip	Dust Cover	Bottom Button	Excentric washers
Qty	1	1	1	1	1	3

Instruction:

- The drawing contain load cell HM14H1 and it's accessory HY-14-146;
- Adjust Part No.4 to insure the distance of 18;make sure that Part No.3 be horizontal and fastened;
- Adjust Part No.6 according to the circle diameter of the bottom button.

L16A



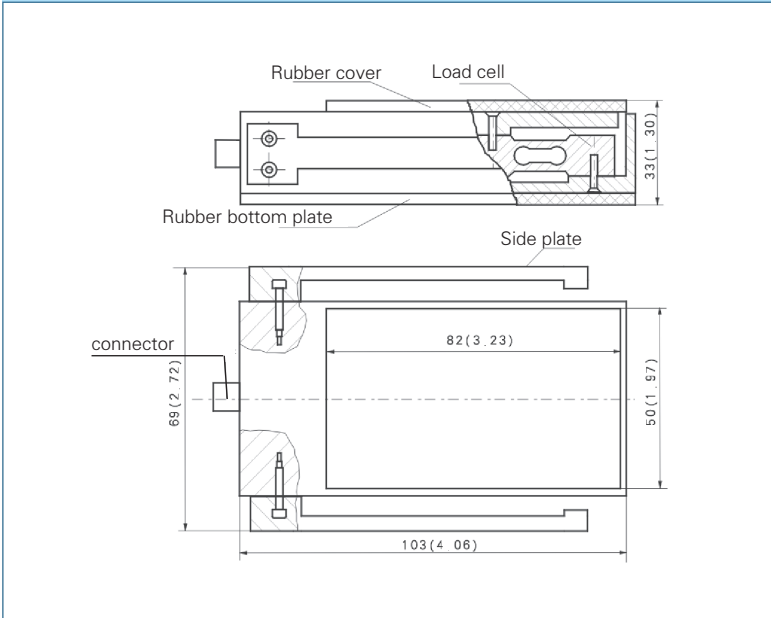
- Aluminum, surface anodized, with shield cover, anti-corrosion.
- Integral structure, easy installation.
- Suitable for pedal and break measurement.

Available models		
Capacity	Accuracy	Full article description
100kg	G1	L16A-G1-100kg-6J

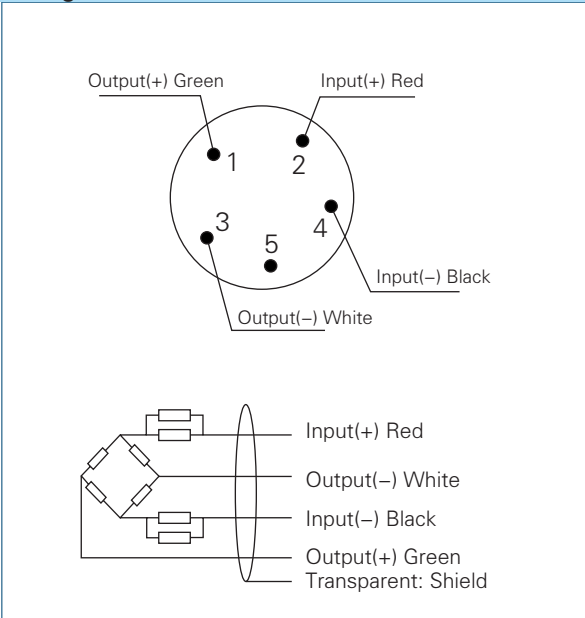
Specification

Maximum capacity (Emax)	kg	100
Output sensitivity (= FS)	mV/V	1.5 ± 0. 2
Accuracy class		G1
Combined error	%FS	± 0.1
Creep	%FS/30min	± 0.05
Temperature effect on sensitivity	%FS/10℃	± 0.1
Temperature effect on zero	%FS/10℃	± 0.1
Zero balance	%FS	± 2
Temperature,compensated	℃	-10~40
Temperature range, operating	℃	-35~65
Terminal resistance, input	Ω	744 ± 6
Terminal resistance, output	Ω	700 ± 7
Insulation impedance	MΩ	≥ 5000 (50VDC)
Excitation, recommended voltage	V	5~12(DC)
Excitation maximum	V	18(DC)
Safe overload	%FS	120
Ultimate overload	%FS	150
Ingress Protection (according to EN 60529)		IP66
Cable Specification	mm	φ 3.8
Cable Length	m	6

Dimensions in mm



Wiring



BM24L3

- Stainless steel, hermetically welded and high accuracy.
- Ingress Protection (according to EN 60529): IP68
- Suitable for wheel–axle recognition and other compression force measuring devices.



Available models

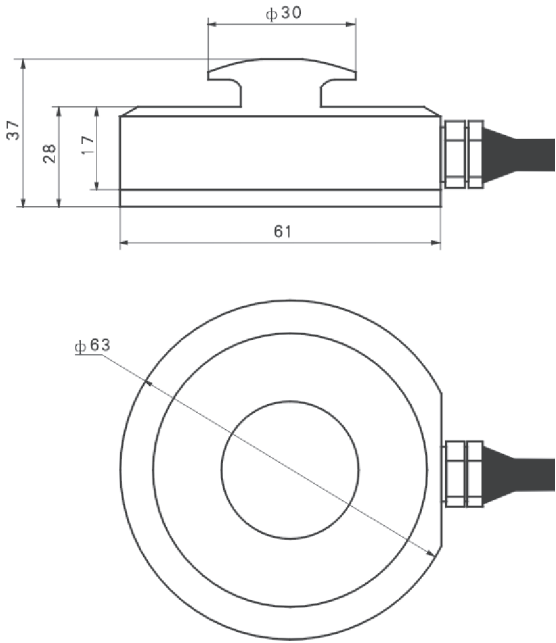
Capacity	Accuracy	Full article description
2t	G5	BM24L3–G5–2t–6J



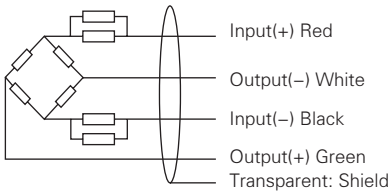
Specification

Output sensitivity (= FS)	mV/V	2.0 ± 0.01
Combined error	%FS	0.5%
Minimum dead load	kg	± 0.0174
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero balance	%FS	± 1.0
Excitation, recommended voltage	V	10(DC)
Excitation maximum	V	15(DC)
Terminal resistance, input	Ω	700 ± 7
Terminal resistance, output	Ω	700 ± 5
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature,compensated	℃	–10 ~+40
Temperature range, operating	℃	–35 ~+65
Element material		Stainless steel
Ingress Protection (according to EN 60529)		IP68
Recommended torque on fixation bolts	N.m	M4:40

Dimensions in mm



Wiring



HM24L



- High quality alloy steel, nickel plated, high accuracy, good auto-stability
- Ingress Protection (according to EN 60529): IP68
- Suitable for wheel-axle recognition and other compression force measuring devices.
- OIML Test certificate No: TC7968Revision 0
- OIML certificate No: R60/2000-NL1-11.20
- NTEP certificate No: CC07-020A1

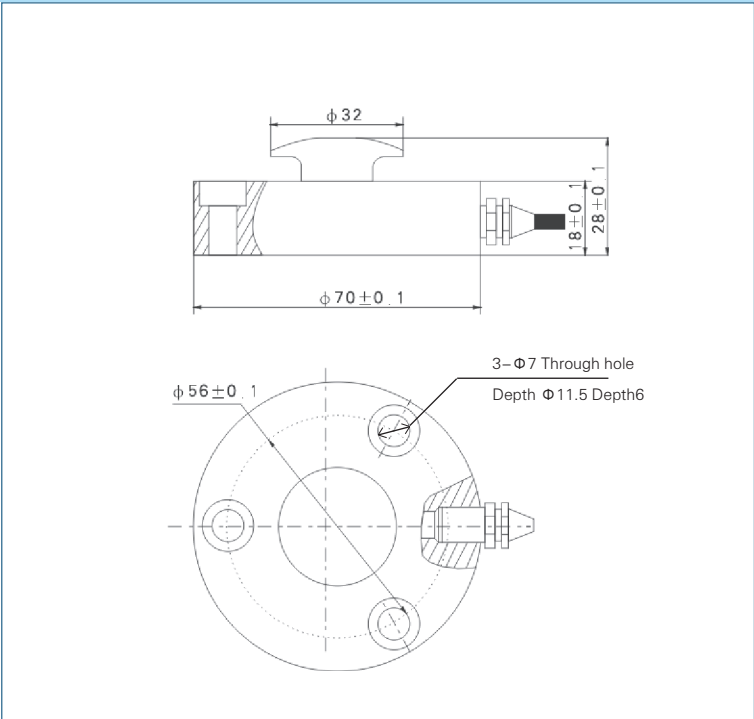
Available models

Capacity	Accuracy	Full article description
1t-2t	G5	HM24L-G5-xxt-7T-S1
3t	G5	HM24L-G5-3t-7T-S1

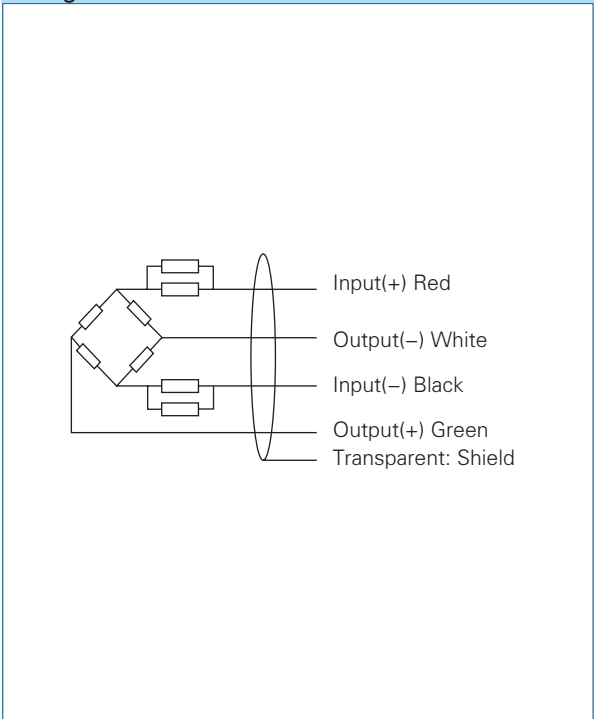
Specification

Accuracy class		G5
Output sensitivity (= FS)	mV/V	1.0 ± 0.01
Maximum capacity (Emax)	t	1.0, 2.0, 3.0
Combined error	%FS	± 0.5
Minimun dead load	kg	0
Safe overload	of Emax	150 %
Ultimate overload	of Emax	300 %
Zero output	%FS	± 1.0
Excitation, recommended voltage	V	10(DC)
Excitation maximum	V	15(DC)
Terminal resistance, input	Ω	350 ± 5
Terminal resistance, output	Ω	350 ± 5
Insulation impedance	MΩ	≥ 5000 (at 50VDC)
Temperature,compensated	℃	-10 ~+40
Temperature range, operating	℃	-35 ~ +65
Element material		Stainless steel
Ingress Protection (according to EN 60529)		IP68
Recommended torque on fixation bolts	N.m	M7:40

Dimensions in mm



Wiring



BM24R

- Stainless steel IP68 low profile load cell
- Hermetically sealed
- Suitable for hopper, platform and pallet scales
- Integrated static overload protection up to 13t

Available models

Capacity	Accuracy	Full article description
60 kg	C3/C4/C5	BM24R -60kg -C3/C4/C5 -3B
130 kg	C3/C4/C5	BM24R -130kg -C3/C4/C5 -3B
280 kg	C3/C4/C5	BM24R -280kg -C3/C4/C5 -3B
250 kg	C3/C4/C5	BM24R -250kg -C3/C4/C5 -3B
500 kg	C3/C4/C5	BM24R -500kg -C3/C4/C5 -3B
1 t	C3/C4/C5	BM24R -1t -C3/C4/C5 -3B
2 t	C3/C4/C5	BM24R -2t -C3/C4/C5 -6B
3.5 t	C3/C4/C5	BM24R -3.5t -C3/C4/C5 -6B
5 t	C3/C4/C5	BM24R -5t -C3/C4/C5 -6B
10 t	C3/C4/C5	BM24R -10t -C3/C4/C5 -15B
13 t	C3/C4/C5	BM24R -13t -C3/C4/C5 -15B
28 t	C3/C4/C5	BM24R -28t -C3/C4/C5 -15B
60 t	C3/C4/C5	BM24R -60t -C3/C4/C5 -15B



BM24R
60kg - 280kg



BM24R
250kg - 13t



BM24R
28t - 60t



test certificate no. TC7865 Revision 1
C of C no R60/2000-NL1-11.21



Certificate no. 11-103A1

Specification

Accuracy class		OIML R60 C3 / OIML R60 C4 / OIML R60 C5					
Output sensitivity (= FS)	mV/V	1 ± 0.01	1.75 ± 0.1	2.0 ± 0.1	2.0 ± 0.1	2.0 ± 0.1	2.0 ± 0.1
Maximum capacity (Emax)	t	0.06, 0.13, 0.28	0.25	0.5, 1, 2, 3.5, 5, 10	13	28	60
Maximum number of load cell intervals	nLC	C3 = 3000, C4 = 4000, C5 = 5000					
Ratio of minimum LC verification interval	Y = Emax / vmin	C3 = 10.000, C4 and C5 = 16.000					
Combined error	%FS	C3 = ± 0.0230, C4 = ± 0.0174, C5 = ± 0.0140					
Minimum dead load	of Emax	0					
Safe overload	of Emax	150 %					
Safe sideload		75%					
Zero balance		± 1.0					
Excitation, recommended voltage		10 ~ 15(DC)					
Excitation maximum		30(DC)					
Terminal resistance, input		100	1100 ± 100	1200 ± 100	1075 ± 100	1350 ± 200	
Terminal resistance, output		25	1025 ± 25	1000 ± 0.5	930 ± 0.5	1175 ± 0.5	
Insulation impedance		≥ 5000 (at 50VDC)					
Temperature range, compensated		-10 ~ +40					
Temperature range, operating	°C	-35 ~ +70					
Temperature range, storage	°C	-50 ~ +90					
Element material		Stainless steel					
Ingress Protection (according to EN 60529)		IP68					
Recommended torque on fixation	N.m	M5: 3.5 M6:10					

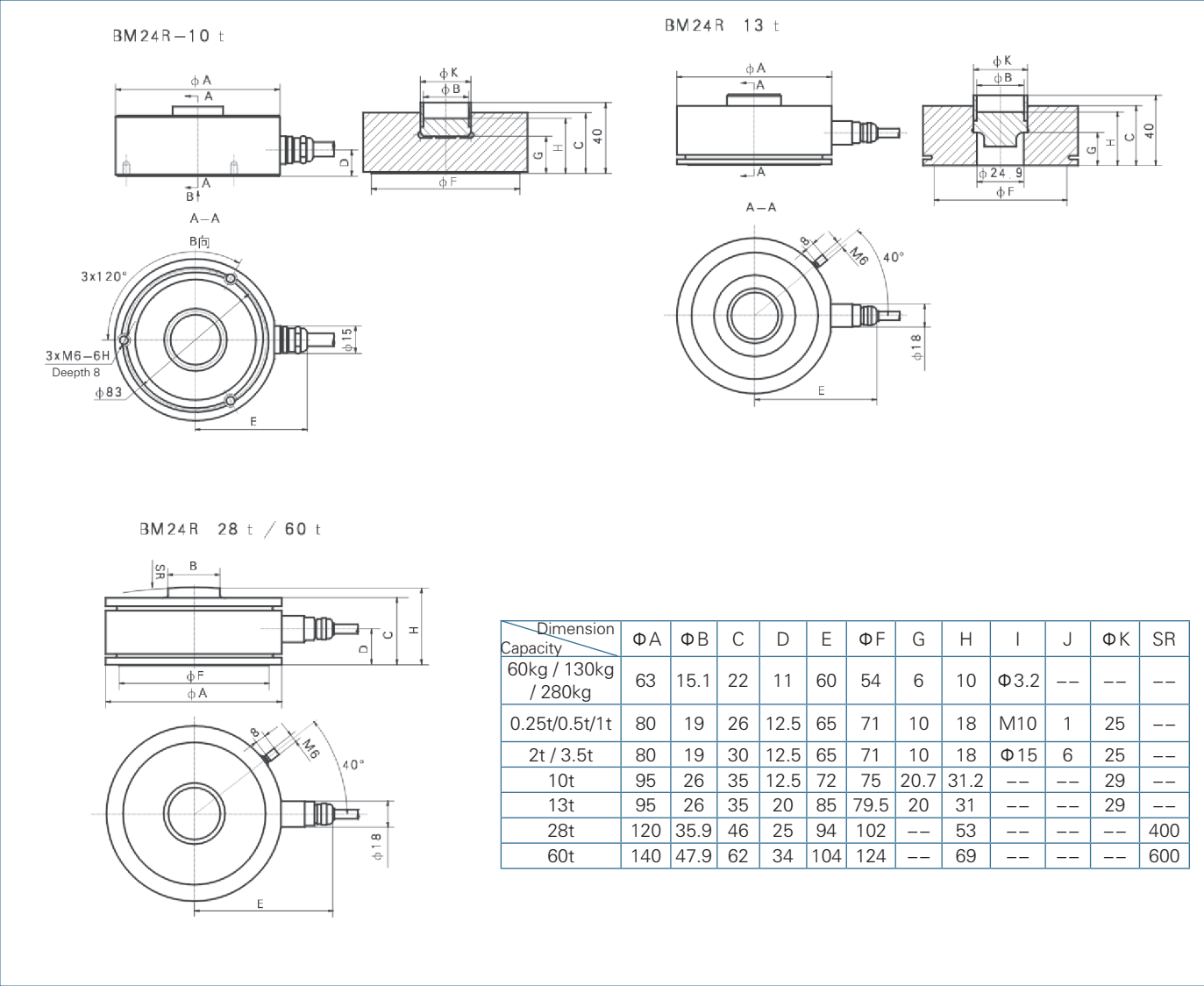
Input resistance
Output resistance
Insulation resistance
Compensated temperature
Operating temperature
Storage temperature

Dimensions in mm

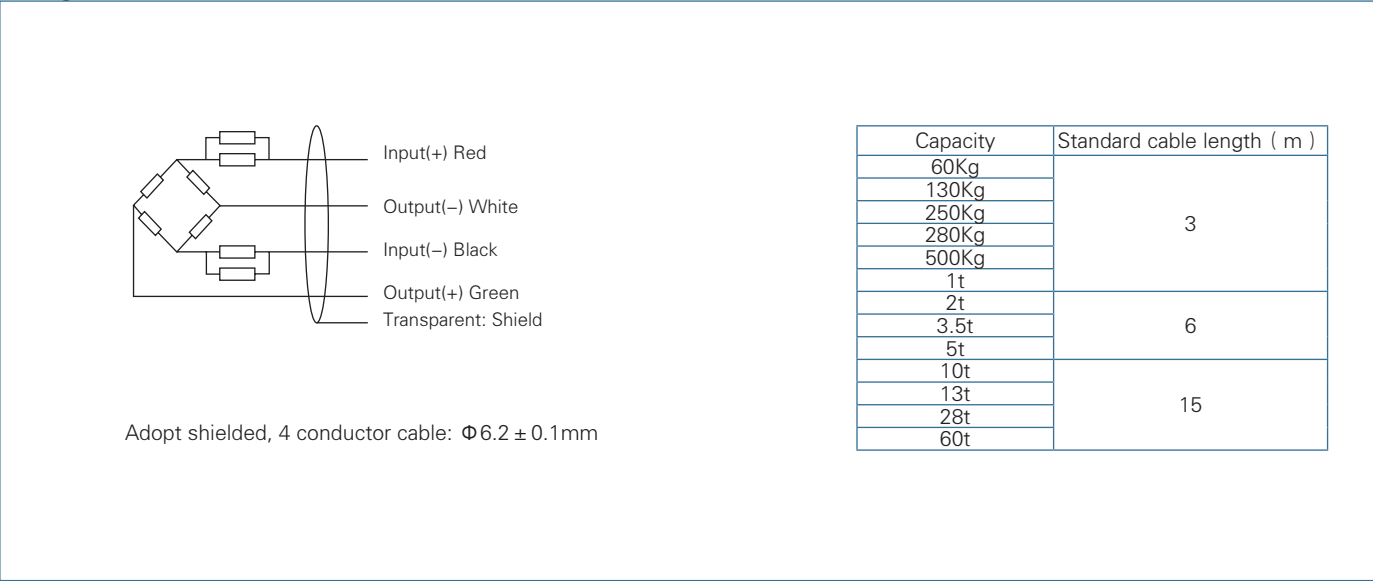
0.06, 0.13, 0.28t	250kg, 0.5, 1, 2, 3.5, 5t	
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BM24R

Outline Dimension mm(inch)

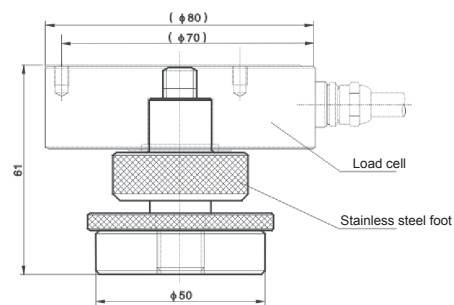
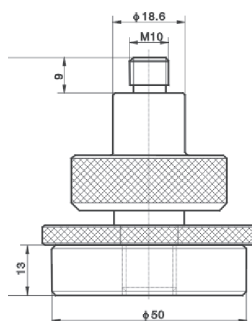


Wiring



Accessories

BJ-24-202

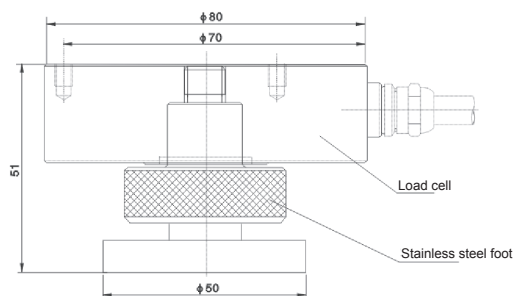
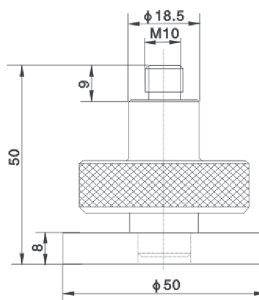


Short description

- Stainless steel material, assembled with load cell: BM24R
- Automatically centralized inside, good ability of anti-side load, easy installation, height with 5mm adjustment.
- Suitable for process control, batch weighing, silo/hoppers and belt scale applications.
- Capacity: 250Kg, 500Kg, 1t.

Capacity	Part number
250kg-1t	BJ-24-202

BJ-24-203

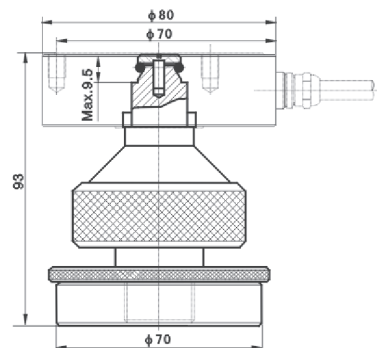
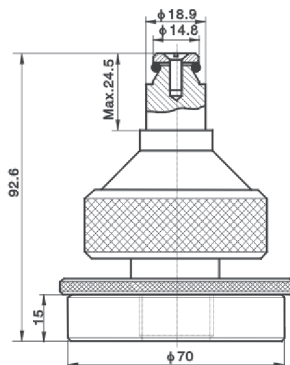


Short description

- Stainless steel material, assembled with load cell: BM24R
- Automatically centralized inside, good ability of anti-side load, easy installation, height with 5mm adjustment.
- Suitable for process control, batch weighing, silo/hoppers and belt scale applications.
- Capacity: 250Kg, 500Kg, 1t.

Capacity	Part number
250kg-1t	BJ-24-203

BJ-24-204

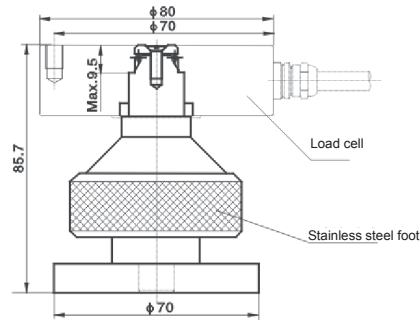
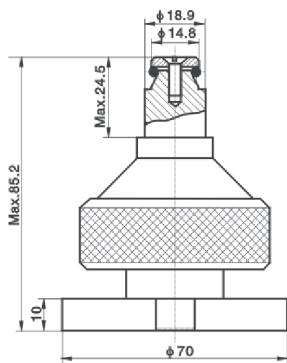


Short description

- Stainless steel material, assembled with load cell: BM24R
- Automatically centralized inside, good ability of anti-side load, easy installation, height with 5mm adjustment.
- Suitable for process control, batch weighing, silo/hoppers and belt scale applications.
- Capacity: 2t, 3.5t, 5t.

Capacity	Part number
2t-5t	BJ-24-204

BJ-24-205

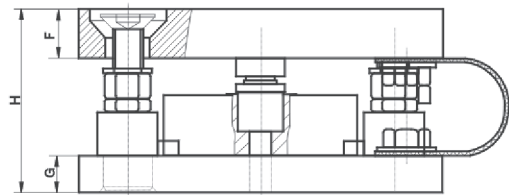
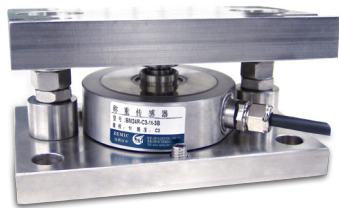


Short description

Capacity	Part number
2t-5t	BJ-24-205

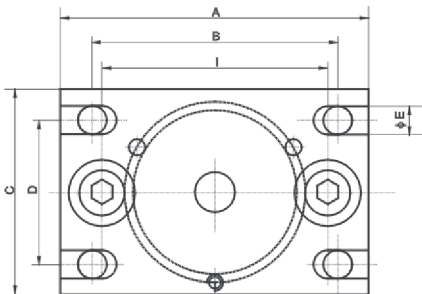
- Stainless steel material, assembled with load cell: BM24R
- Automatically centralized inside, good ability of anti-side load, easy installation, height with 5mm adjustment.
- Suitable for process control, batch weighing, silo/hoppers and belt scale applications.
- Capacity: 2t, 3.5t, 5t.

BM-24-401/402/403



Short description

- Assembled with load cell BM24R.
- AISI 304 stainless steel and Rocker-pin load introduction.
- Built-in horizontal movement control and lift-off protection.
- Easy load cell (re) placement after mount installation.
- Suitable for process control, batch weighing, silo/hoppers and belt scale applications.

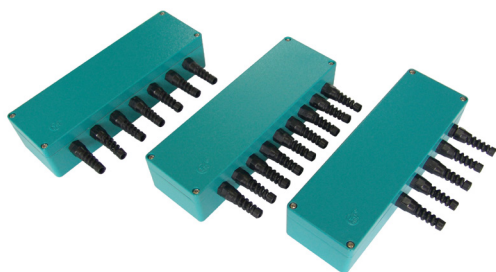


Specifications				
Model number		BM-24-401	BM-24-402	BM-24-403
Capacity		250kg / 500kg / 1t	2t / 3.5t / 5t	10t / 13t
Maximum vertical force without load cell	KN	15	30	50
Maximum lift off force	KN	10	20	30
Maximum horizontal force in all directions	KN	5	10	20
Maximum horizontal movement	mm	± 3	± 3	± 3
Installation height	mm	80	105	117
Working height	mm	75	100	110

Capacity	Dimension	A	B	C	D	ΦE	F	G	H	I
250kg / 500kg / 1t		150	120	100	70	Φ14	20	15	75	110
2t / 3.5t / 5t		160	120	110	70	Φ16	20	20	100	--
10t / 13t		210	175	120	85	Φ18	25	20	110	--

Junction Box

JB01



Features

Cast aluminum, plastic-sprayed
 Easy to assembly and calibrate, high reliability
 Fully encapsulated, water-proof and moisture proof
 Sensitivity matched adjusting methods
 Operating temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

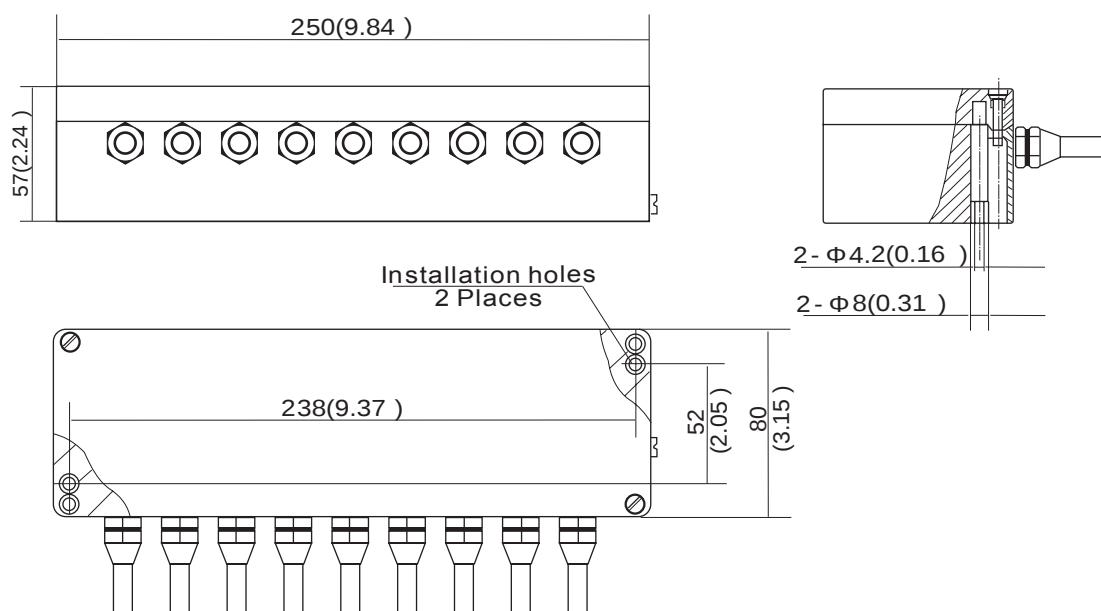
Optional table

Part number	Channels
JB01-2	2
JB01-3	3
JB01-4	4
JB01-6	6
JB01-8	8

Description

Specially designed for scales
 This model are available to connect 2 to 8 load cells with 4-wire or 6-wire cable on different requests.

Dimensions in mm

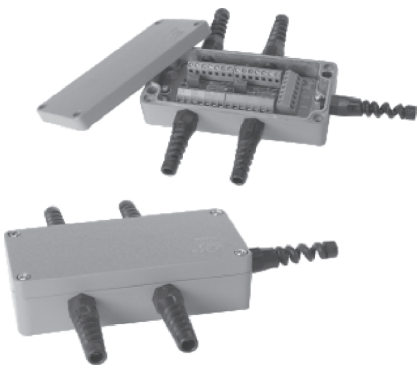


Junction Box

JB02

Features

- Cast aluminum, plastic-sprayed
- Easy to assembly and calibrate, high reliability
- Fully encapsulated, water-proof and moisture proof
- Sensitivity matched adjusting methods
- Operating temperature: -40℃ ~+85℃



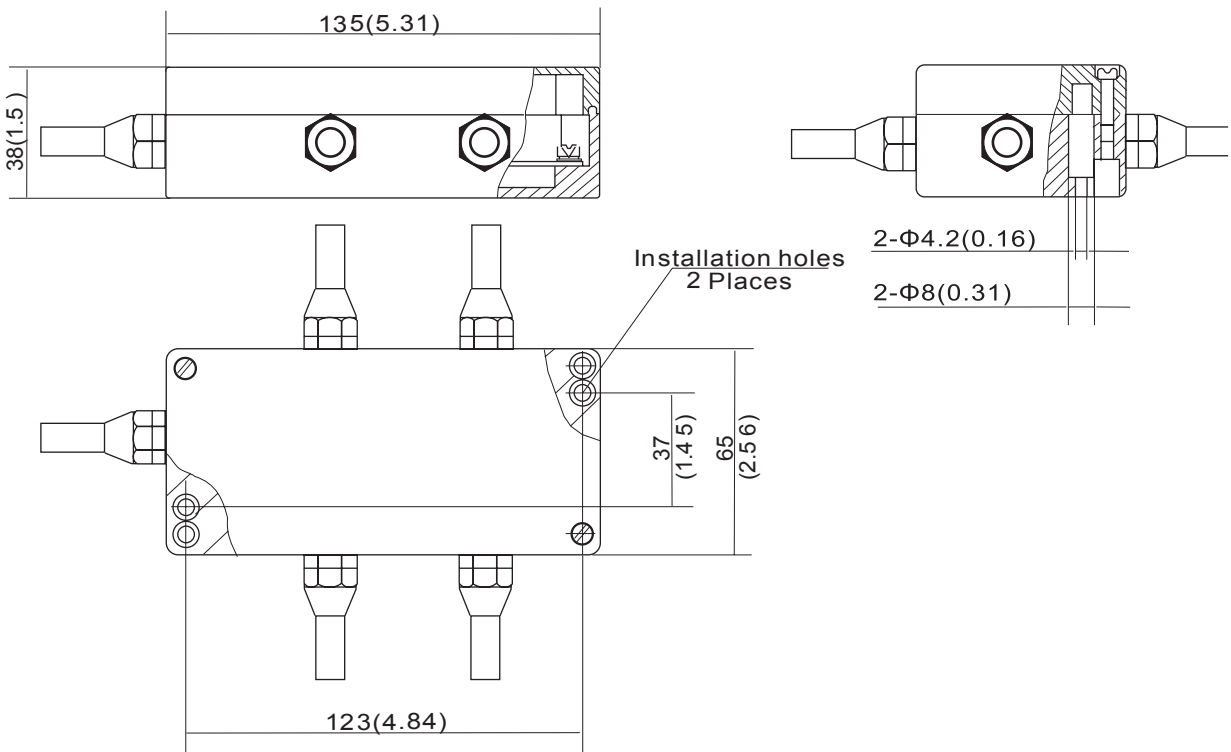
Description

- Specially designed for scales
- This model are available to connect 2 to 4load cells with 4-wire or 6-wire cable on different requests.

Optional table

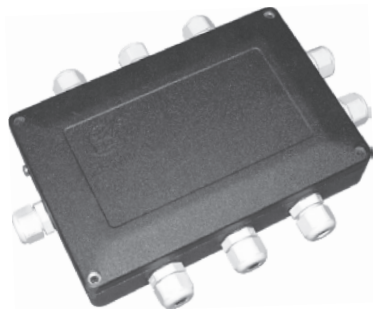
Part number	Channels
JB02-2	2
JB02-3	3
JB02-4	4

Dimensions in mm



Junction Box

JB05A



Features

Cast aluminum, plastic-sprayed
 Easy to assemble and calibrate, high reliability
 Fully encapsulated, water-proof, moistureproof and lightning protected.
 Surge protection
 Sensitivity matched adjusting method
 Operating temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

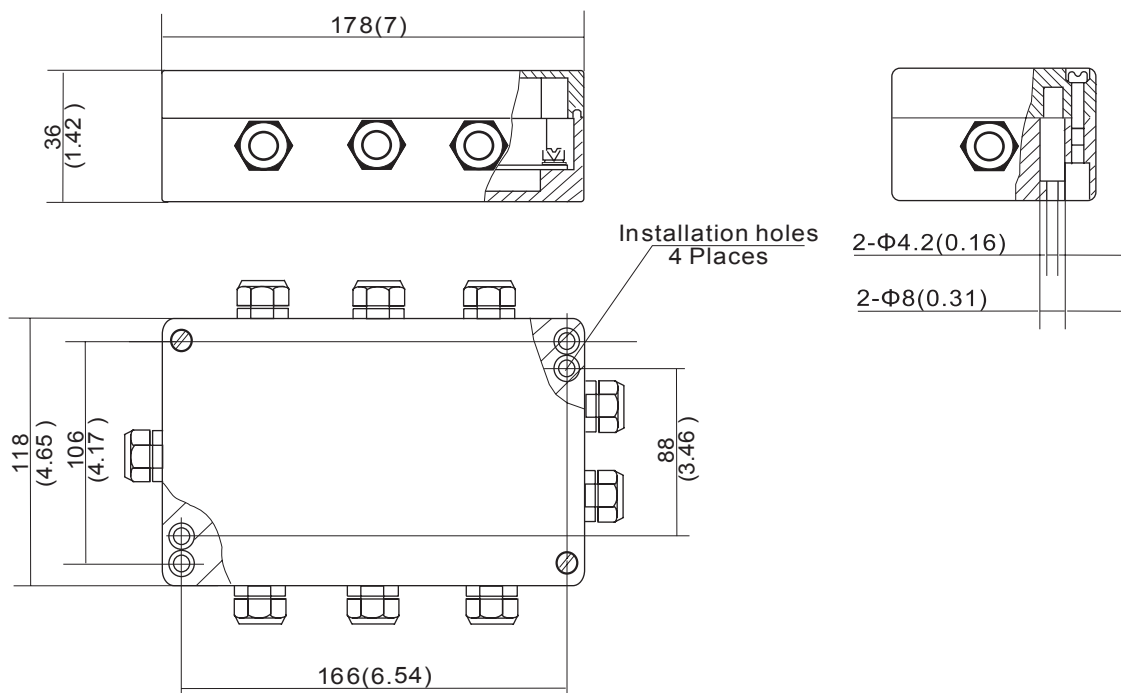
Optional table

Part number	Channels
JB05A-4	4
JB05A-6	6
JB05A-8	8

Description

Specially designed for scales
 This model are available to connect 4 to 8 load cells with 4-wire cable on different requests.

Dimensions in mm

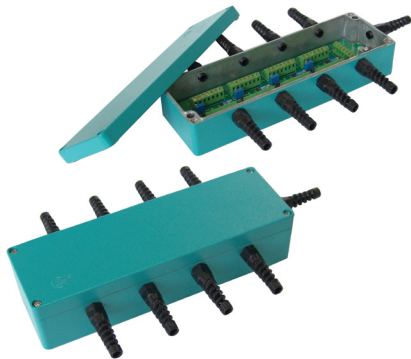


Junction Box

JB06

Features

- Cast aluminum, plastic-sprayed
- East to assemble and calibrate, high reliability
- Fully encapsulated, water-proof, moistureproof and lightning protected.
- Surge protection
- Sensitivity matched adjusting method
- Operating temperature: -40℃ ~+85℃



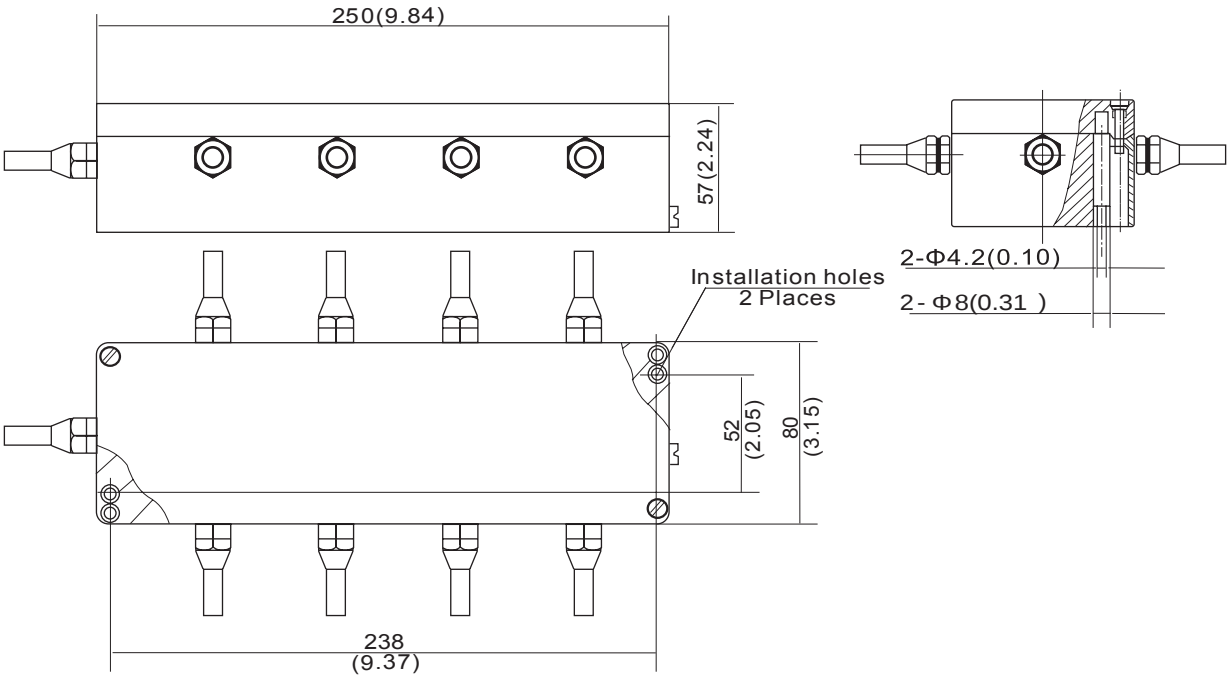
Description

- Specially designed for scales
- This model are available to connect 2 to 8 load cells with 4-wire or 6-wire cable on different requests.

Optional table

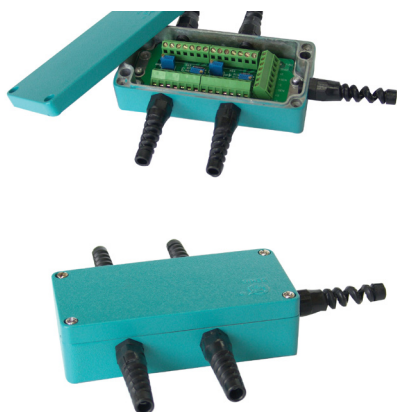
Part number	Channels
JB06-2	2
JB06-3	3
JB06-4	4
JB06-6	6
JB06-8	8

Dimensions in mm



Junction Box

JB07



Features

Cast aluminum, plastic-sprayed
 Easy to assemble and calibrate, high reliability
 Fully encapsulated, water-proof, moisture proof and lightning protected.
 Surge protection
 Sensitivity matched adjusting method
 Operating temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

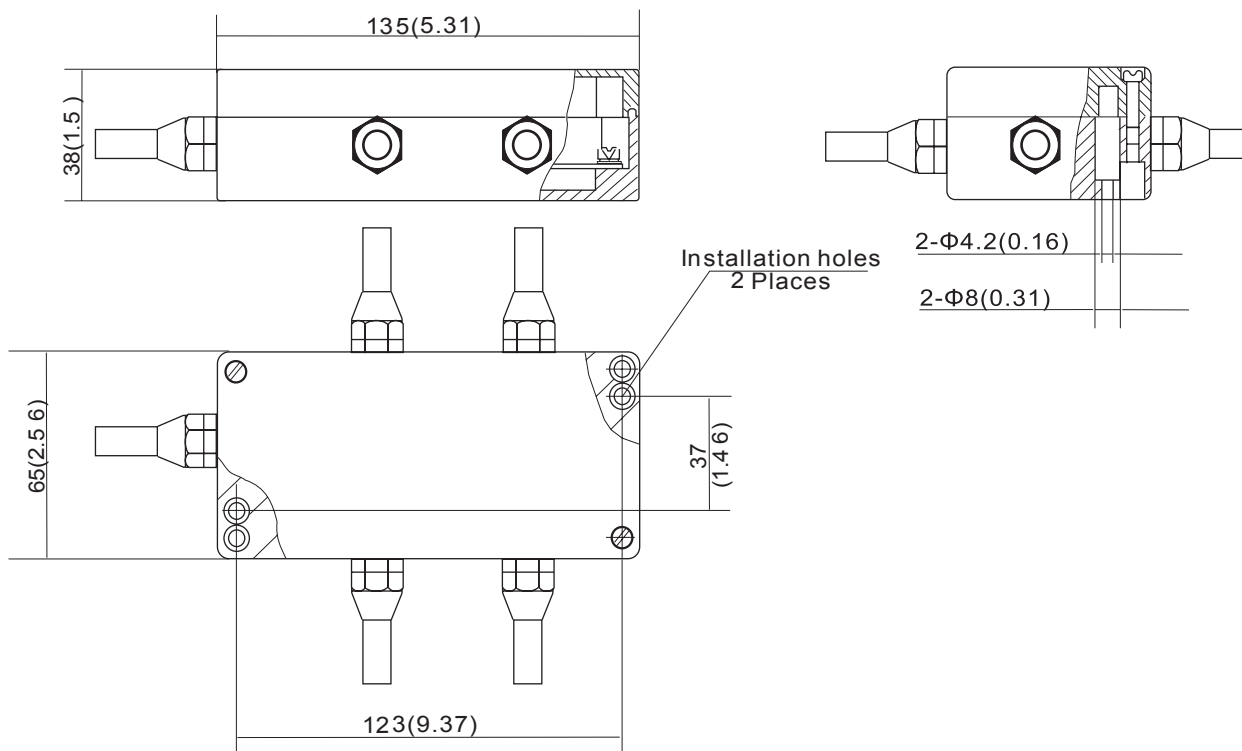
Optional table

Part number	Channels
JB07-2	2
JB07-3	3
JB07-4	4

Description

Specially designed for scales
 This model are available to connect 2 to 4 load cells with 4-wire or 6-wire cable on different requests.

Dimensions in mm



Transmitter

FD-3

Features

Adjustable stable voltage
Voltage counter-connection protection
Zero adjustable resistors can be outer connected
Terminal tabs connection
Ingress Protection (according to EN 60529): IP65

Specifications (current output)

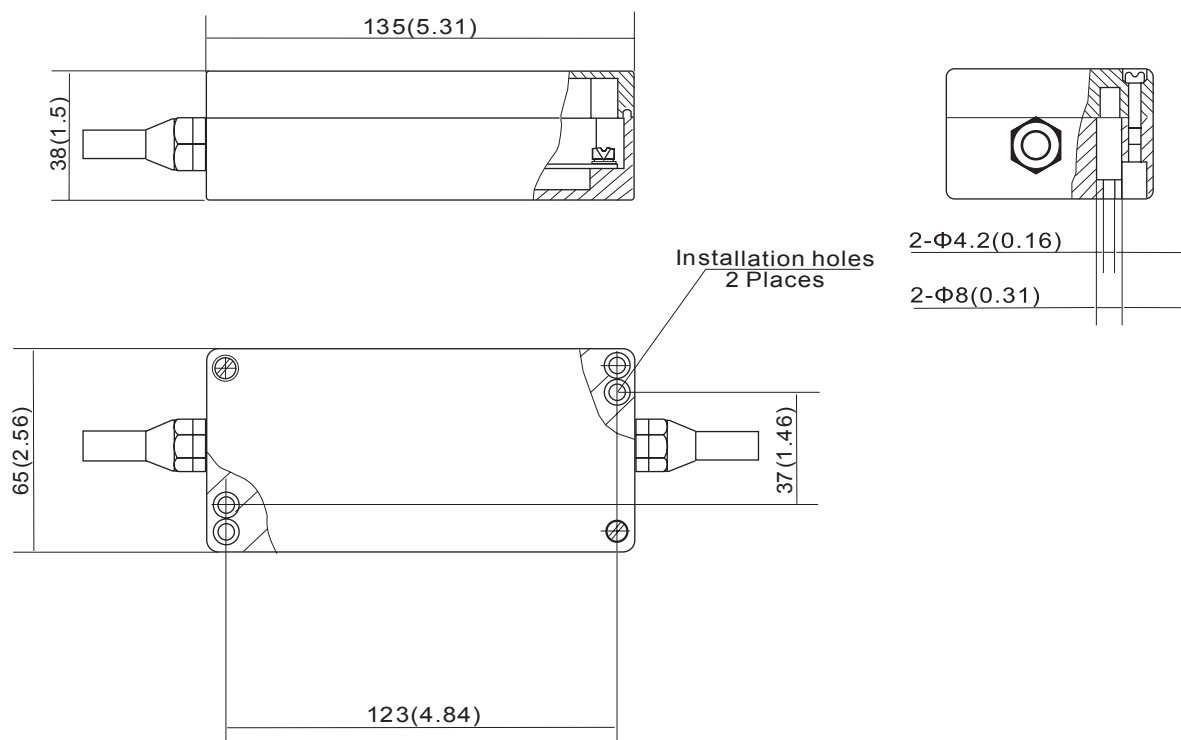
Supply voltage: DC 12V, 15V, 24V
Output: 4–20mA (or 0–10mA, 0–20mA)
Load resistance: $\geq 500\ \Omega$ (24V/h)
Accuracy: better than 0.1% F.S
Operating temperature: $-20^{\circ}\text{C} \sim +85$

Specifications (voltage output):

Supply voltage: DC 12V, 15V, 24V
Output: 0–5VDC (Or 1–5VDC, 0–10VDC, $0 \pm 5\text{VDC}$)
Accuracy: better than 0.02% F.S
Load resistance $\geq 500\ \Omega$
Operating temperature: $-20^{\circ}\text{C} \sim +85$



Dimensions in mm



Transmitter

FD-4



Features

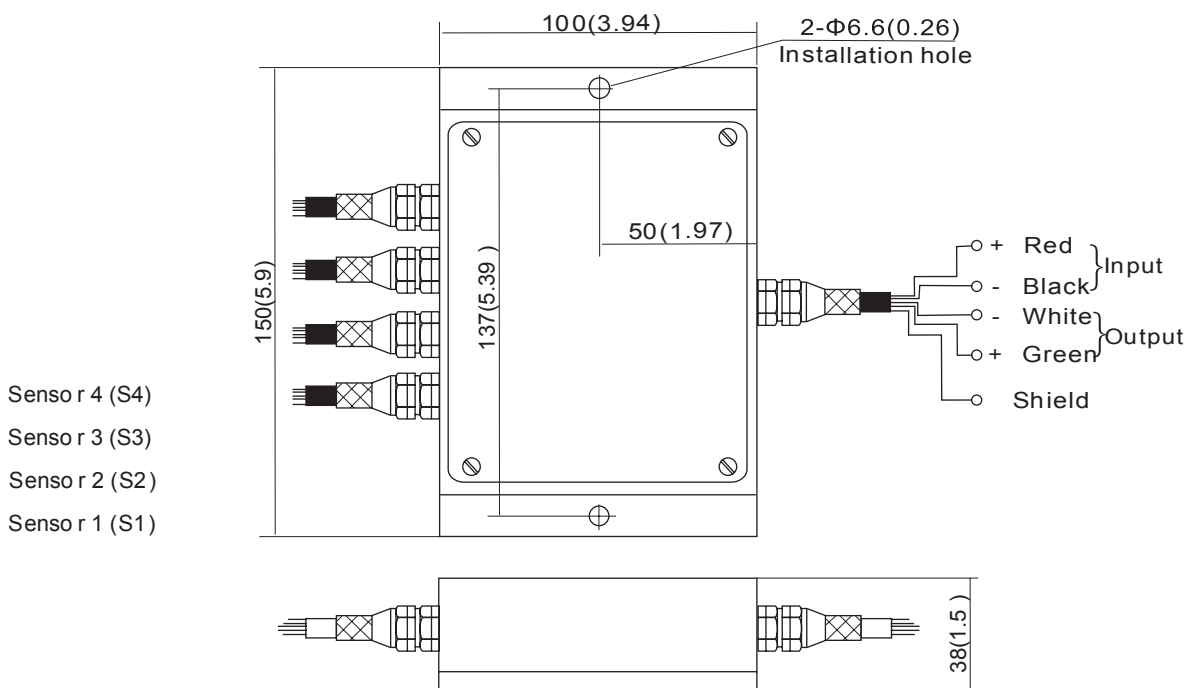
- Connection for 2 to 4 load cells
- Voltage counter-connection protection
- Easy to assemble and calibrate, high reliability
- Excellent water-proof ability
- Voltage or current output signal



Specifications

- Supply voltage: DC 12V, 15V, 24V
- Output: 0-10mA 4-20mA 0-5VDC 1-5VDC
- Accuracy: better than 0.1%F.S
- Load resistance $\leq 350 \Omega$ (current output)
 $\geq 500 \Omega$ (voltage output)
- Operating temperature: $-20^{\circ}\text{C} \sim +85$
- Ingress Protection (according to EN 60529): IP65

Dimensions in mm



Transmitter

FD-5

Features

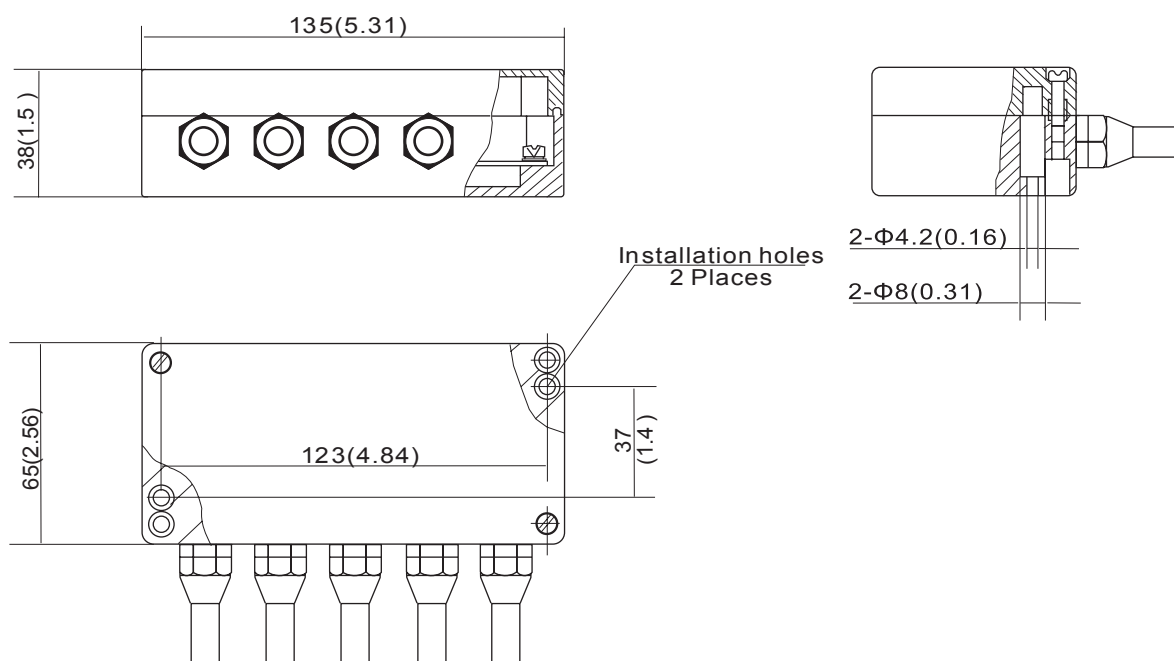
Connection for 2 to 4 load cells
 Surge protection
 Voltage counter-connection protection
 Voltage or current output signal
 Terminal tabs connection
 The installation holes on the cover making it easily to be fixed on the platform.

Specifications

Supply voltage: DC 15V,
 Output: 0–10mA 4–20mA 0–5VDC 1–5VDC
 Accuracy: better than 0.1%F.S
 Load resistance $\leq 500\Omega$ (current output)
 $\geq 500\Omega$ (voltage output)
 Operating temperature: $-20^{\circ}\text{C} \sim +85$
 Ingress Protection (according to EN 60529): IP65

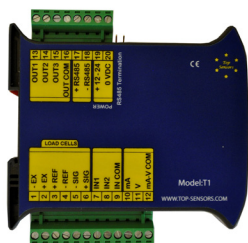


Dimensions in mm



Transmitter

T1



EC Type approval certificate. OIML R76:2006
Certificate No. DK 0199.367

Weight transmitter and indicator for
Omega/Din rail mounting, suitable for
back panel; space-saving vertical shape.
Six-digit semi alphanumeric display,
7 segment LED, 8mm height.
Dimensions 25 * 115 * 120 mm.



Specifications

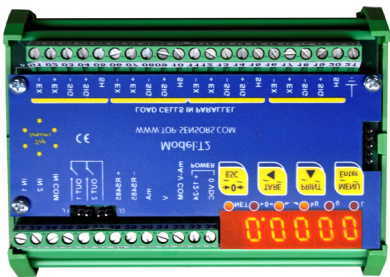
0.2 $\mu\text{V}/\text{VSI}$, 10.000 divisions range.
0.01 $\mu\text{V}/\text{VSI}$, 1.000.000 divisions range (for internal use).
Opto-isolated 16-bit analog output (4–20mA (max 300 ohm), 0–20mA, 0–10V, $\pm 10\text{V}$, 0–5V, $\pm 5\text{V}$ (minimum 10 Kohm)).
Serial port RS485 for connection to PC/PLC by ASCII or ModBus RTU.
Optional protocols: Profibus DP, Ethernet/Modbus TCP, USB and Radio by appropriate converter.
3 mechanical-relay digital outputs
2 opto-isolated digital inputs

Technical Features

Power supply and consumption	12 – 24 VDC $\pm 10\%$; 5 W
Number of Load Cells in parallel and supply	max 8 (350 ohm) ; 5VDC/120mA
Linearity and linearity of the analog output	< 0.01% Full Scale ; < 0.01% Full Scale
Thermal drift and thermal drift of the analog output	< 0.0005 % Full Scale / $^{\circ}\text{C}$; < 0.003% Full Scale / $^{\circ}\text{C}$
A/D Converter	24 bit (ca 16.000.000 points) 4.8 kHz
Max divisions (with measure range: $\pm 10\text{mV} = 2\text{mV/V}$)	± 999999
Measure range	$\pm 39\text{mV}$
Maximum Load Cells sensitivity	$\pm 7\text{mV/V}$
Maximum conversions per second	300 conversions/sec. (300 Hz)
Display range	– 999999 ; + 999999
Decimals / Display increments	0 – 4 ; $\times 1 \times 2 \times 5 \times 10 \times 20 \times 50 \times 100$
Digital filter / Conversion rate	0.012 – 7 sec ; 5 – 300 Hz
Logic relay outputs	N.3 – maximum 115 VAC / 150mA
Logic inputs	N.2 – opto-isolated 5 – 24 VDC PNP
Serial port	RS485 (ASCII or Modbus RTU)
Baud rate	2400, 4800, 9600, 19200, 38400, 115200
Humidity (condensate free)	85%
Storage temperature range	– 30 $^{\circ}\text{C}$ + 80 $^{\circ}\text{C}$
Working temperature range	– 20 $^{\circ}\text{C}$ + 60 $^{\circ}\text{C}$
Working temperature range approved (CE–M APPROVED)	– 10 $^{\circ}\text{C}$ + 40 $^{\circ}\text{C}$

T2

Weight transmitter and indicator for Omega/Din rail mounting, suitable for back panel; or junction box.
Six-digit semi alphanumeric display, 7 segment LED, 8mm height.
Four key keyboard
Dimensions 123 * 92 * 50 mm.



Specifications

- 0.2 $\mu\text{V/VSI}$, 10.000 divisions range.
- 0.01 $\mu\text{V/VSI}$, 1.000.000 divisions range (for internal use).
- Opto-isolated 16-bit analog output (4–20mA (max 300 ohm), 0–20mA, 0–10V, +/-10V, 0–5V, +/-5V (minimum 10 Kohm)).
- Serial port RS485 for connection to PC/PLC by ASCII or Modbus RTU.
- Optional protocols: Profibus DP, Ethernet/Modbus TCP, USB and Radio by appropriate converter.
- 2 opto-isolated transistor digital outputs.
- 2 opto-isolated digital inputs.
- On board terminals for 1 to 4, 4 wire Load Cells, in parallel.

Technical Features

Power supply and consumption	12 – 24 VDC +/- 10% ; 5 W
Number of Load Cells in parallel and supply	max 8 (350 ohm) ; 5VDC/120mA
Linearity and linearity of the analog output	< 0.01% Full Scale ; < 0.01% Full Scale
Thermal drift and thermal drift of the analog output	< 0.0005 % Full Scale /° C ; < 0.003% Full Scale /° C
A/D Converter	24 bit (ca 16.000.000 points) 80 Hz
Max divisions (with measure range: +/- 10mV =2mV/V)	+/- 999999
Measure range	+/- 19.5 mV
Maximum Load Cells sensitivity	+/- 3 mV/V
Maximum conversions per second	80 conversions/sec. (80 Hz)
Display range	- 999999 ; + 999999
Decimals / Display increments	0 – 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100
Digital filter / Conversion rate	0.080 – 7.5 sec ; 5 – 80 Hz
Logic relay outputs	N.2 – maximum 24 VDC / 60mA
Logic inputs	N.2 – opto-isolated 5 – 24 VDC PNP
Serial port	RS485 (ASCII or Modbus RTU)
Baud rate	2400, 4800, 9600, 19200, 38400, 115200
Humidity (condensate free)	85%
Storage temperature range	- 30° C + 80° C
Working temperature range	- 20° C + 60° C