

- ◆B3G load cells are available in the capacities 0.05t to 10t and 50lb to 20Klb.
- ◆They offer total stainless steel construction, complete hermetic sealing, oil proof, water proof and anti-corrosion making them suitable for use in all kinds of environments.
- ◆S beam design, tension and/or compression loading possible, easy installation and flexible application. It is suitable for hanging scales, mechanical scales, hopper scales and other electronic weighing devices.
- ◆It is safety and anti-explosion product that can be used in atrocious weather and hazardous areas.

#### Important Features

- ◆Capacities:0.05t to 10t; 50lb to 20Klb.
- ◆High accuracy.
- ◆Stainless steel construction.
- ◆Low profile and nice exterior.
- ◆With OIML approval:(PTB:D09-06.07)

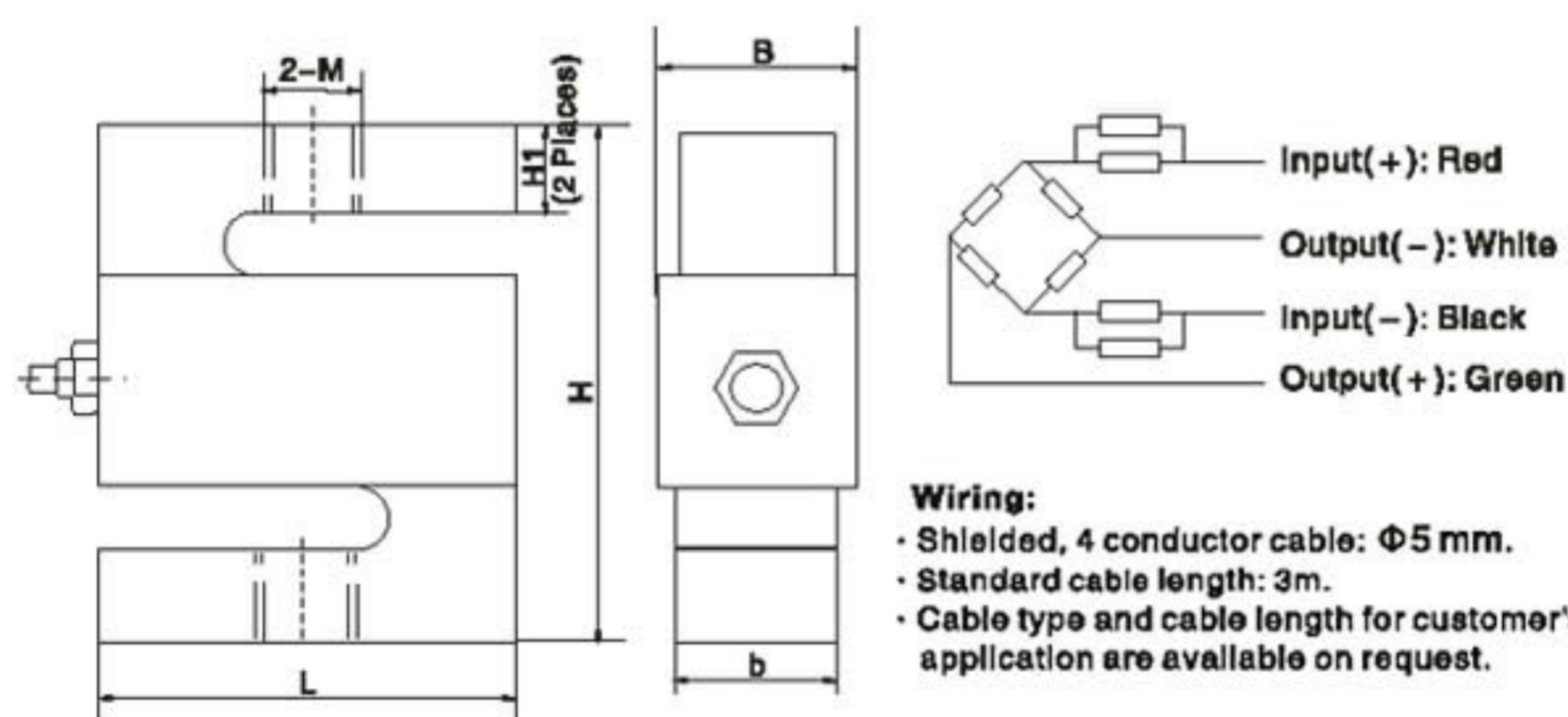


#### Accessories

- ◆HL-3-001
- ◆HL-3-002
- ◆HL-3-003
- ◆HL-3-004
- ◆HL-3-005

Capacity	t	0.05/0.1/0.25/0.5/1/2.5/5/7.5/10					
	lb	50/75/100/150/200/300/500/750/1K/1.5K/2K/2.5K/3K/5K/10K/15K/20K					
Accuracy class		C2	C3	A5S	A5M	B10S	B10M
Approval			OIML R60 C3	III 5000 single	III 5000 Multiford	III L10000 single	III L1000 Multiford
Maximum number of verification intervals	n max	2000	3000	5000	5000	10000	10000
Minimum load cell verification interval	v min	E <sub>max</sub> /5000	E <sub>max</sub> /10000	E <sub>max</sub> /15000	E <sub>max</sub> /15000	E <sub>max</sub> /10000	E <sub>max</sub> /10000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.018	≤ ±0.026	≤ ±0.035	≤ ±0.050
Creep	(%FS/30min)	≤ ±0.024	≤ ±0.016	≤ ±0.012	≤ ±0.017	≤ ±0.030	≤ ±0.040
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.017	≤ ±0.011	≤ ±0.009	≤ ±0.013	≤ ±0.030	≤ ±0.040
Temperature effect on zero	(%FS/10°C)	≤ ±0.023	≤ ±0.015	≤ ±0.010	≤ ±0.014	≤ ±0.030	≤ ±0.020
Output sensitivity	(mV/V)	3.0±0.008					
Input resistance	(Ω)	430±60					
Output resistance	(Ω)	351±2					
Insulation resistance	(MΩ)	≥ 5000(50VDC)					
Zero balance	(%FS)	1.0					
Temperature, compensated	(°C)	-10~+40					
Temperature, allowed	(°C)	-35~+65					
Excitation, Recommended	(V)	5~12(DC)					
Excitation, Max	(V)	18(DC)					
Safe overload	(%FS)	120					
Ultimate overload	(%FS)	150					

#### Outline Dimension mm(inch)



Capacity	L	H	b	B	M	H1
<b>50kg,100kg</b> 0.05~0.3Klb	50.8(2.0)	63.5(2.5)	12.7(0.5)	16.08(0.63)	M8 1/4-28UNF	10.16 (0.4)
<b>250kg,500kg</b> 0.5~1.5Klb	50.8(2.0)	63.5(2.5)	19.05(0.75)	22.43(0.88)	M12 1/2-20UNF	
<b>1t</b> 2.2.5Klb	50.8(2.0)	63.5(2.5)	25.4(1.0)	28.78(1.13)	M12 1/2-20UNF	
<b>2.5t</b> 3Klb	50.8(2.0)	101.6(4.0)	25.4(1.0)	28.78(1.13)	M20×1.5 1/2-20UNF	15.24 (0.6)
<b>5t</b> 5,10Klb	76.2(3.0)	101.6(4.0)	25.4(1.0)	28.78(1.13)	M20×1.5 3/4-16UNF	20 (0.79)
<b>7.5t</b> 15Klb	101.6(4.0)	139.7(5.5)	31.75(1.25)	35.13(1.38)	M24×2 1-14UNS	31 (1.22)
<b>20Klb</b>	127(5.0)	177.8(7.0)	50.8(2.0)	54.18(2.13)	5/4-12UNF	39.9(1.57)