



Short Description



- 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



Test certificate no. TC7866 Revision 0
C of C no R60/2000-CNI-00.01



Certificate no. 06-099A1

Available Models

Capacity	Accuracy	Full Article Description
50kg	C3	H3G-C3-50kg-6B
100kg	C3	H3G-C3-100kg-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

Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

Technical Specifications H3G

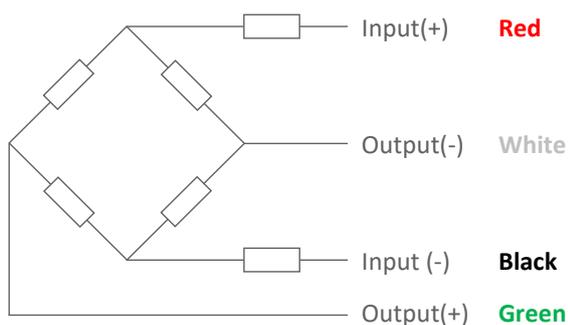
Accuracy Class		OIML R60 C3	C3		
Output Sensitivity (= FS)	mV/V	3.0 ± 0.008			
Maximum Capacity (E _{max})	t	0.05, 0.1, 0.25	0.5, 1, 2.5, 5, 7.5		
Max. Number of Load Cell Intervals	n _{LC}	3000			
Ratio of min. LC Verification Interval	$Y = E_{max} / V_{min}$	15000	14000		
Combined Error	%FS	≤± 0.020			
Creep Error (30 minutes)	%FS	≤± 0.016			
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.015			
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.011			
Zero Balance	%FS	≤± 1.0			
Safe Overload	%FS	150			
Ultimate Overload	%FS	300			
Maximum Deflection	mm	0.1935 ~ 0.4079			
Excitation, Recommended Voltage	V	5 ~ 12			
Excitation, Maximum Voltage	V	18			
Input Resistance	Ω	430 ± 60			
Output Resistance	Ω	351 ± 2			
Insulation Resistance (50V)	MΩ	≥5000			
Compensated Temperature	°C	-10 ~ + 40			
Operating Temperature	°C	-35 ~ + 65			
Storage Temperature	°C	-40 ~ + 70			
Load Cell Weight	kg	0.05t-1.0t: ~0.7	2.5t: 1.0	5.0t: 1.5	7.5t: 3.0
Element Material		Nickel Plated Alloy Steel			
Ingress Protection (acc. to EN 60529)		IP67			
Recommended Torque on Fixation Bolts	Nm	M8:25	M12:75	M20:400	M24:675
ATEX Classification (optional)		II 1G Ex ia IIC T4 Ga	II 1D Ex ia IIIC T ₂₀₀ 135°C Da		II 3G Ex ic IIC T4 Gc

Wiring

Features:

Cable type: Shielded, 4 conductor cable , conductor AWG 22
 Cable diameter: Ø 5.0mm
 Cable length: 6m
 Cable jacket: Polyurethane
 Shield not connected to element

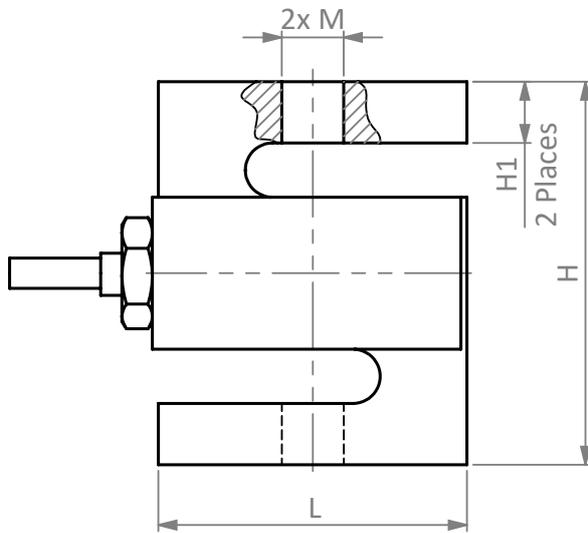
4-Wire Connection Diagram



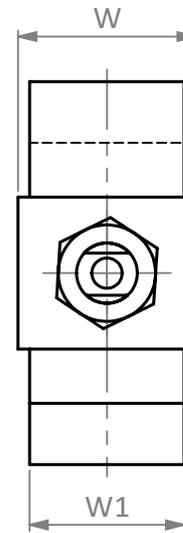
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Dimensions in mm

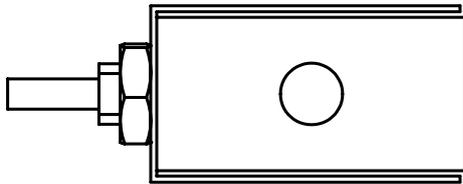
Side View



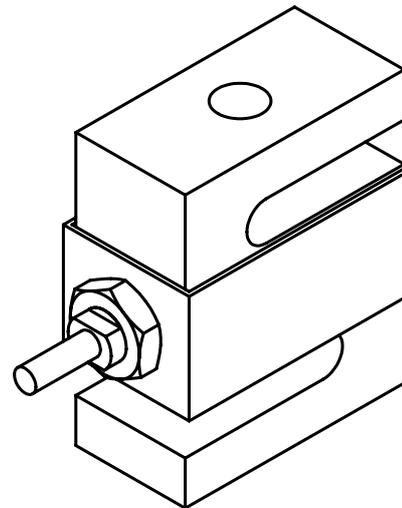
Back View



Top View

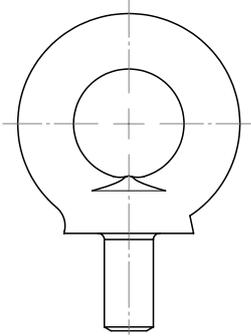
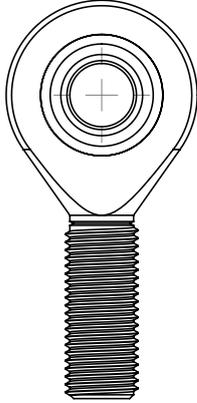


Isometric View



Dimension	L	H	H1	W1	W	M
Capacity						
50 – 100kg	50.8	63.5	10.2	12.7	16.5	M8 x 1.25
250 – 500kg	50.8	63.5	10.2	19.05	22.8	M12 x 1.75
1t	50.8	63.5	10.2	25.4	29.2	M12 x 1.75
2.5t	76.2	101.6	15.2	25.4	29.2	M20 x 1.5
5t	76.2	101.6	20	25.4	29.2	M20 x 1.5
7.5t	101.6	139.7	30	31.75	35.5	M24 x 2

Available Accessories

<p>HL-3-002-25kg-5t Eye Bolt</p> <ul style="list-style-type: none">• Alloy Steel• Suitable for hybrid scales, crane scales, packaging scales and hopper scales	
<p>HL-3-003-25kg-5t Rod End</p> <ul style="list-style-type: none">• Alloy Steel• Suitable for hybrid scales, crane scales, packaging scales, hopper scales and other electronic weighing devices	
<p>HL-3-005-25kg-5t Eye Bolt with Fork Joint</p> <ul style="list-style-type: none">• Alloy Steel• Suitable for hybrid scales, crane scales, packaging scales, hopper scales and other electronic weighing devices	