

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



test certificate no. TC7866 Revision 0 C of C no R60/2000—CNI—00.01

Certificate no. 06—099A1

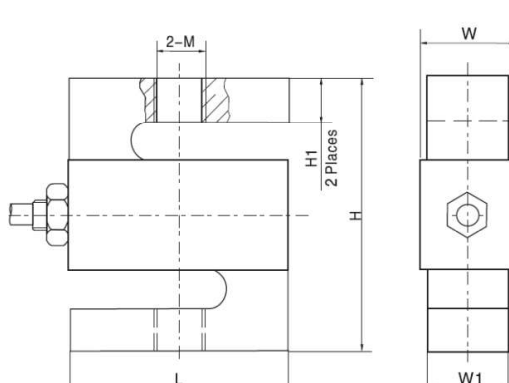
Available models

Capacity	Accuracy	Full article description
50kg	C3	H3G—C3—50kg—6B
100kg	C3	H3G—C3—100kg—6B
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

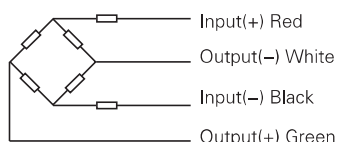
Accuracy class		OIML R60 C3	C3
Output sensitivity (= FS)	mV/V	3.0 ± 0.008	
Maximum capacity (Emax)	t	0.05, 0.1, 0.25	0.5, 1, 2.5, 5, 7.5
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = Emax / vmin		15000	14000
Combined error	%FS	± 0.020	
Minimum dead load	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.