

Type H8Q Load Cell



Short description



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



Test certificate no. TC8382 Revision 0

C of C no R60/2000-NL1-13.21 Revision 1

Available models

Capacity	Accuracy	Full article description
200kg	C3	H8Q-C3-200kg-3B
500kg	C3	H8Q-C3-500kg-3B
1000kg	C3	H8Q-C3-1t-3B(-W4)
2000kg	0.230% of FS	H8Q-C3-2000kg-3B

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

Type H8Q Load Cell

Technical specifications H8Q

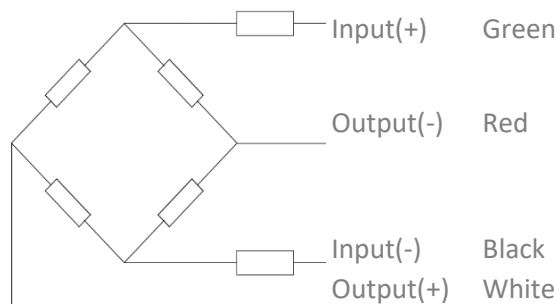
Accuracy class		OIML R60 C3	0.230% of FS
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (E _{max})	kg	200, 500, 1000	2000
Max.number of load cell intervals	n _{LC}	3000	
Ratio of min. LC verification interval	$Y = E_{max} / V_{min}$	15000	10000
Combined Error	%FS	± 0.0230	
Minimum dead load	Of E _{max}	0%	
Safe overload	of E _{max}	150 %	
Ultimate overload	of E _{max}	300 %	
Zero balance	of FS	< ± 1.0 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Input resistance	Ω	1000 ± 10	
Output resistance	Ω	1000 ± 10	
Insulation resistance	MΩ	≥5000 (at 50VDC)	
Compensated temperature	°C	-10 ~ +40	
Operating temperature	°C	-35 ~ +70	
Storage temperature	°C	-40 ~ +80	
Element material		Nickel plated alloy steel	
Ingress Protection (acc. to EN 60529)		IP67	
Recommended torque on fixation	Nm	M12: 75	

Wiring

Features:

- Shielded, 4 conductor cable
- Cable diameter: Ø5mm
- Standard cable length: 3m
- Shield not connected to element

4-wire diagram

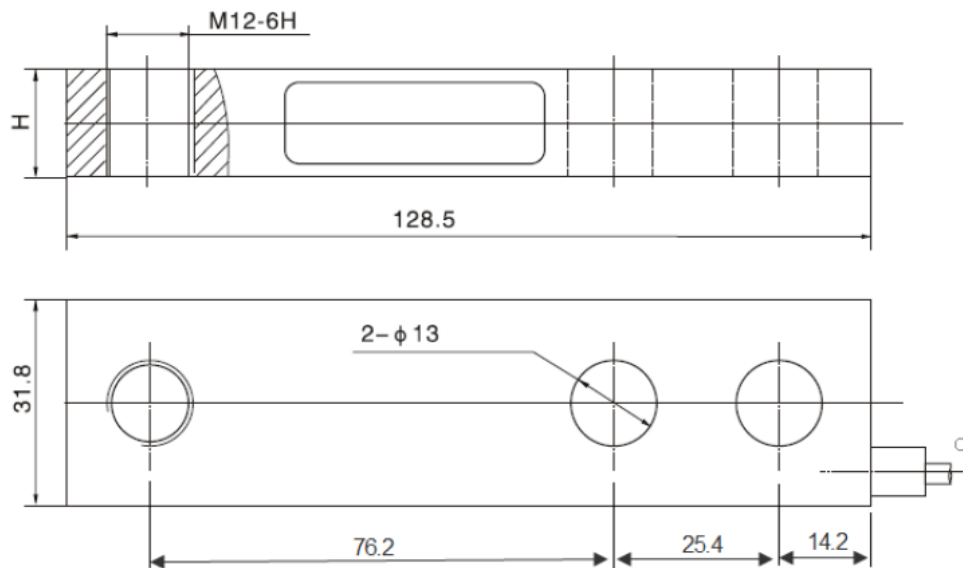


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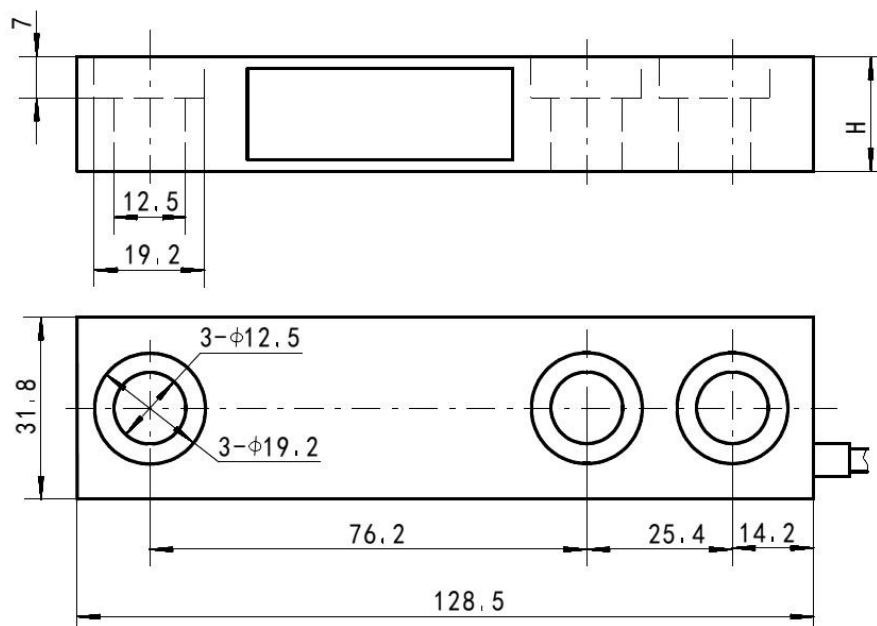
Dimensions in mm

Standard Version H8Q-XX-XX-XX



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

W4 version H8Q-XX-XX-XX-W4



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