H8Q

- 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

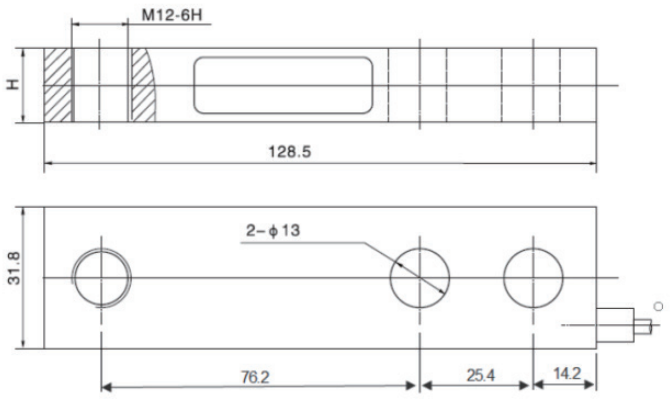
Available models

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

Specification

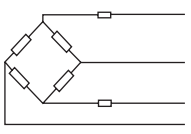
Accuracy class		OIML R60 C3	C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.002	
Maximum capacity (E_{max})	kg	200/500/1000	2000
Maximum number of load cell intervals (nLC)		3000	
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		15000	10000
Combined error	%FS	± 0.0230	
Minimum dead load	%FS	0%	
Safe overload	%FS	150 %	
Ultimate overload	%FS	300 %	
Zero balance	%FS	± 1.0	
Excitation, recommended voltage	V	5 ~ 12(DC)	
Excitation maximum	V	18(DC)	
Input resistance	Ω	1000 ± 5 (200kg) /1106 ± 5	
Output resistance	Ω	1000 ± 5	
Insulation resistance	MΩ	⩾ 5000 (50VDC)	
Compensated temperature	℃	–10 ~ +40	
Operating temperature	℃	–35 ~ +65	
Storage temperature	℃	–40 ~ +70	
Element material		Nickel plated alloy steel	
Recommended torque on fixation	N.m	M12: 75	
Ingress protection (according to EN 60529)		IP67	

Dimensions in mm



Capacity	H
200 kg	12.7 (0.5)
500 kg	15.9 (0.63)
1000 kg	19.1 (0.75)
2000kg	25.4 (1)

Wiring



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