B8Q

FEATURES

- Stainless steel IP67 shear beam load cell
- Low profile
- Suitable for hopper, floor and other electronic scale



AVAILABLE MODELS

Capacity	Accuracy	Full article description
200 kg	C3 Excluded from OIML	B8Q-C3-200kg-3B
500kg	C3	B8Q-C3-500kg-3B
1000kg	C3	B8Q-C3-1000kg-3B
2000kg	C3	B8Q-C3-2000kg-3B

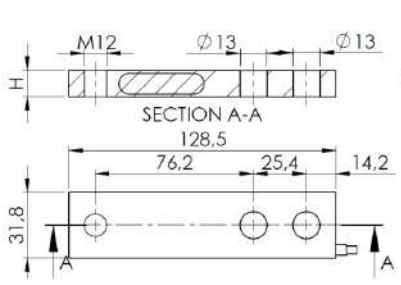
test certificate no. TC7809 Revision 0
C of C no R60/2000-NL1-10.14

Certificate no. 12-029

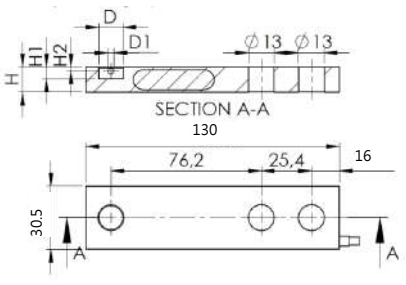
SPECIFICATION

Accuracy class		C3	OIML R60 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 $Y=E_{max}/V_{min}$		10000	15000
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	1106 ± 5
Output resistance	Ω	1000 ± 3	
Insulation resistance	MΩ	⩾ 5000 (50VDC)	
Compensated temperature	°C	-10 ~+40	
Operating temperature	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Stainless steel	
Recommended torque on fixation	N.m	M12: 75	
Ingress protection (according to EN 60529)		IP67	

DIMENSIONS IN MM



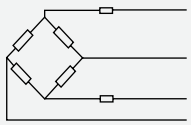
Standard version



Option W6 version ("T" end loading hole)

Capacity	H	H1	H2	ΦD	ΦD1
200 kg	12.7 (0.5)	6 (0.24)	2 (0.08)	12.1 (0.48)	3 (0.12)
500 kg	15.9 (0.63)	9.5 (0.37)	2.8 (0.11)	18.1 (0.71)	4 (0.16)
1000 kg	19.1 (0.75)	9.5 (0.37)	2.8 (0.11)	18.1 (0.71)	4 (0.16)
2000kg	25.4 (1)	9.5 (0.37)	2.8 (0.11)	18.1 (0.71)	4 (0.16)

WIRING



Input (+) Red
Output (-) White
Input (-) Black
Output (+) Green

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