B6N



- Stainless steel IP67 single point load cell
- Bending beam
- Suitable for weighing equipment like platform and belt scales
- Maximum platform size: 400 x 400 mm

test certificate no. TC8009 Revision 0 and D09–10.10 C of C no R60/2000–NL1–11.27 and R60/2000–DE1–10.04

Available models

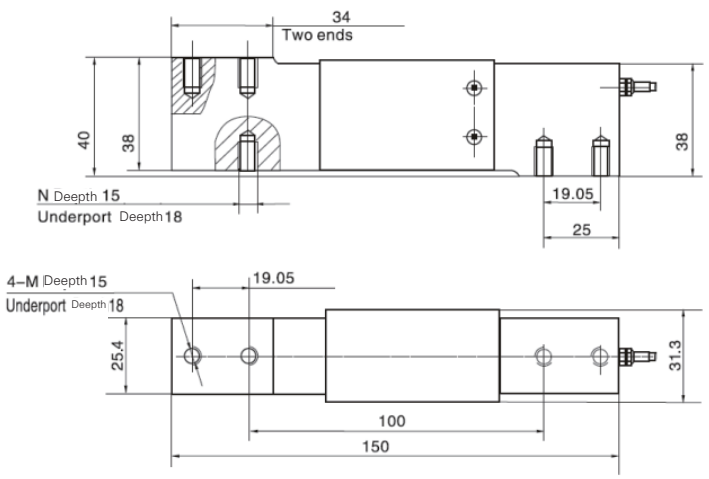
Capacity	Accuracy	Full article description
5 kg	C3/C4	B6N–C3/C4 –5kg–1B6
7 kg	C3/C4	B6N–C3/C4 –7kg–1B6
8 kg	C3/C4	B6N–C3/C4 –8kg–1B6
10 kg	C3/C4	B6N–C3/C4 –10kg–1B6
15 kg	C3/C4	B6N–C3/C4 –15kg–1B6
20 kg	C3/C4	B6N–C3/C4 –20kg–1B6
30 kg	C3/C4	B6N–C3/C4 –30kg–1B6
50 kg	C3	B6N–C3–50kg–1B6
75 kg	C3	B6N–C3–75kg–1B6
100 kg	C3	B6N–C3–100kg–1B6
150 kg	C3	B6N–C3–150kg–1B6
200 kg	C3	B6N–C3–200kg–1B6

Specification

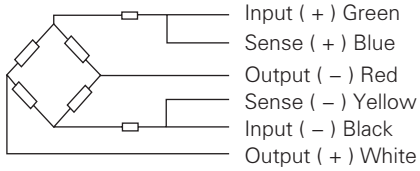
Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (Emax)	kg	5/7/8/10/15/20/30/50/75/100/150/200	
Maximum number of load cell intervals (nLC)		3000	4000
Ratio of minimum LC verification interval Y = Emax / vmin		10000	15000
Combined error	%FS	± 0.0230	± 0.0175
Minimum dead load	kg	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	400 ± 20	
Output resistance	Ω	350 ± 3.5	
Insulation resistance	MΩ	⩾ 5000 (50VDC)	
Compensated temperature	℃	–10 ~+40	
Operating temperature	℃	–35 ~ +65	
Storage temperature	℃	–40 ~ +70	
Element material		Stainless steel	
Ingress protection (according to EN 60529)		IP67	
Recommended torque on fixation	N.m	M6: 10	
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃ / II3G Ex nL IIC T4

Note: "S1" output sensitivity is 2.0 ± 0.002mV/V, input resistance is 384 ± 4

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5mm
- Standard cable length: 1m
- Shield not connected to element