



OFF CENTER LOAD CELL TYPE B6N

APPLICATIONS:

Off center load cell type B6N can be used in small capacity weighing systems.

Some applications are:

- 17-4PH Stainless steel construction, potted by adhesive inside, oil proof, waterproof, anti-corrosive gas and medium making it suitable for all kinds of environments.
- Single point with parallel beam, suitable for electronic scales, belt scales and other electronic devices
- Recommended platform size: 400 x 400 mm



MAIN FEATURES:

- High accuracy
- Stainless steel
- Low profile and easy installation

NOMINAL LOAD: 7-10-15-20-30-50-75-100-150-200 Kg

Accuracy Class		OIML C4	OIML C3	
Output sensitivity (=FS)	mV/V		2.0 ± 0.2	
Maximum capacity (E _{max})	Kg	7,10,15,20,30	7,10,15,20,30	50,75,100,150,200
Max number of load cell interval		4000	3000	
Ratio of minimum LC verification interval		150000	10000	9000
Minimum dead load output return		4000	3000	6000
Cobined error		≤± 0.0174		
Minimum dead load	Kg	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 max.	V	18		
Terminal resistance, input	Ω	430 ± 60		
Terminal resistance, output	Ω	351 ± 2		
Insulation impendace	MΩ	≥5000 (at 50VDC)		
Temp. range, compensated	°C	-10 ~ +40		
Temp. range, operating	°C	-35 ~ +65		
Element material		Stainless Steel		
Ingress protection (according to EN 6D529)		IP67		
Recommended torque on fixation bolts	Nm	10		
ATEX calss		II1G Ex Ia II 1C T4 II1D Ex IaD II 1C T73°C II3G nL IICT4		

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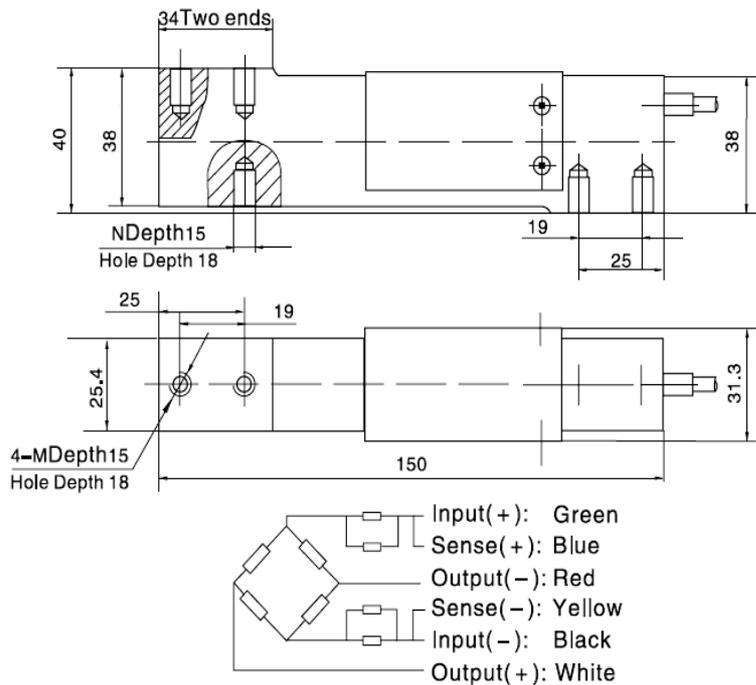
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Capacity	Accuracy	Part-Number
7 Kg	Cx	B6N-Cx-7Kg-1B6
10 Kg	Cx	B6N-Cx-10Kg-1B6
15 Kg	Cx	B6N-Cx-15Kg-1B6
20 Kg	Cx	B6N-Cx-20Kg-1B6
30 Kg	Cx	B6N-Cx-30Kg-1B6
50 Kg	C3	B6N-Cx-50Kg-1B6
75 Kg	C3	B6N-Cx-75Kg-1B6
100 Kg	C3	B6N-Cx-100Kg-1B6
150 Kg	C3	B6N-Cx-150Kg-1B6
200 Kg	C3	B6N-Cx-200Kg-1B6

Outline dimensions in mm:



Note:

- Machining thread hole M and N basing on customers' requirements.
- When customers require imperial: Thread hole M is 1/4-20UNC-2B, Thread hole N is 1/4-28UNF-2B.
- When customers require metric: Thread holes M and N are M6-6H respectively and there will be "M" under exit hole.

Wiring:

- Shielded, 6 conductor cable.
- Standard cable length: 1m.
- Cable type and cable length for customer's own application are available on request.
- Shield not connected to element.