

Datasheet: B6N load cell

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-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



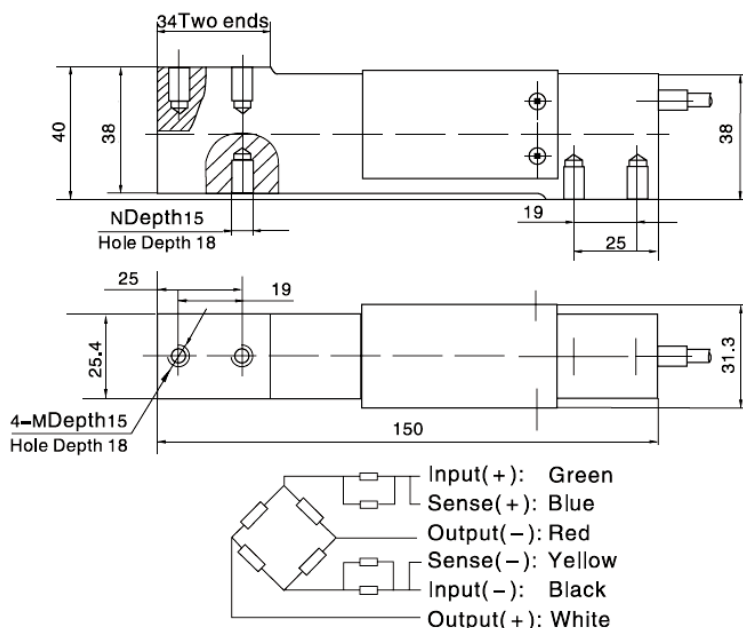
- Stainless steel IP67 single point load cell
- Bending beam construction
- Suitable for weighing equipment like platform and belt scales, etc.
- Maximum platform size: 400 x 400 mm



Specification:

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
Maximum number of load cell intervals (n _{LC})		4000	3000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}		15000	10.000
Minimum Dead Load Output Return (Z = ½ * E _{max} / DR)		4000	3000
Combined Error	%FS	≤ ± 0.0174	≤ ± 0.020
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 maximum	V		18
Terminal resistance, input	Ω		430 ± 60
Terminal resistance, output	Ω		351 ± 2
Insulation impedance	MΩ		≥ 5000 (at 50VDC)
Temperature range, compensated	°C		-10 ~ +40
Temperature range, operating	°C		-35 ~ +65
Element material			Stainless steel
Ingress Protection (according to EN 60529)			IP67
Recommended torque on fixation bolts	Nm		10
ATEX classification		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°C II3G nL IIC T4

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.

Please visit our website WWW.ZEMIC.NL for the most actual information

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