Type B6N Load Cell





Short description





R60/2000-DE1-10.04







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



QIML test certificate no. TC8009 Revision 0 and D09-10.10 C of C no R60/2000-NL1-10.27 and

Available models

Capacity Accuracy		Full article description		
8kg	C3/C4	B6N-C3/C4-8kg-1B6-S1		
10kg	C3/C4	B6N-C3/C4-10kg-1B6-S1		
15kg	C3/C4	B6N-C3/C4-15kg-1B6-S1		
20kg	C3/C4	B6N-C3/C4-20kg-1B6-S1		
30kg	C3/C4	B6N-C3/C4-30kg-1B6-S1		
50kg	C3	B6N-C3-50kg-1B6-S1		
75kg	C3	B6N-C3-75kg-1B6-S1		
100kg	C3	B6N-C3-100kg-1B6-S1		
150kg	C3	B6N-C3-150kg-1B6-S1		
200kg	C3	B6N-C3-200kg-1B6-S1		

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Detailed specifications B6N

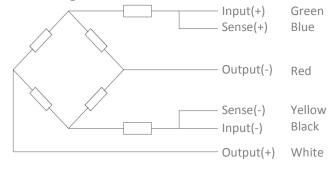
Accuracy class		OIML R60 C3 OIML R60 C4		OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.002		
Maximum capacity (E _{max})	kg	8, 10, 15, 20, 30	50, 75, 100, 150, 200	8, 10, 15, 20, 30
Max.number of load cell intervals	n _{LC}	3000 4000		4000
Ratio of min. LC verification interval	$Y = E_{max} / v_{min}$	10000	9000	15000
Combined Error	%FS	≤± 0.0230 ≤± 0.0175		≤± 0.0175
Minimum dead load	Of E _{max}	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		
Input resistance	Ω	430 ± 60		
Output resistance	Ω	351 ± 2		
Insulation resistance	MΩ	≥5000 (at 50VDC)		
Compensated temperature	°C	-10 ~+40		
Operating temperature	°C	-35 ~ +65		
Storage temperature	°C	-40 ~ +70		
Element material		Stainless steel		
Ingress Protection (acc. to EN 60529)		IP67		
Recommended torque on fixation	Nm	M6: 10		
ATEX classification (optional)		II1G Ex ia II1C T4	II1D Ex iaD 20 T73°	C II3G nL IIC T4

Wiring

Wiring:

Shielded, 6 conductor cable. Cable diameter: Ø5mm Standard cable length: 1m Shield not connected to element

6-wire diagram



Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

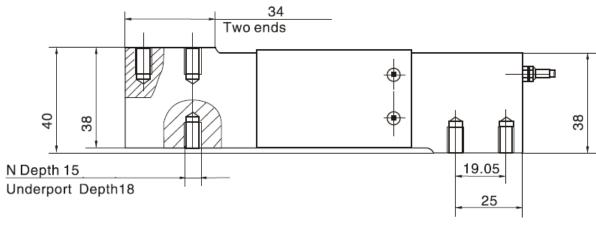
Zemic Europe B.V. Leerlooierstraat 8 4871 EN Etten-Leur The Netherlands

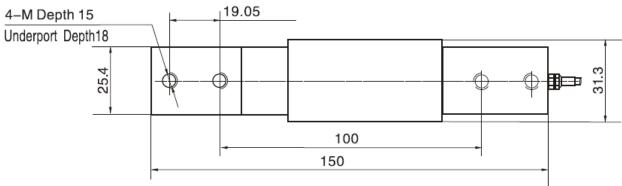
Nr. 2013.11 B6N Rev9

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Dimensions in mm





Dimension Capacity	M	N	
8 – 200kg	M6	M6	