

Type BM6E Load Cell



Short description



- Stainless steel IP68 single point load cell
- Suitable for single load cell structured platform scales
- High accuracy
- Maximum platform size: 600 x 600 mm

Non OIML approved

Available models

Capacity	Accuracy	Full article description
50kg	C3	BM6E-C3-50kg-2B
200kg	C3	BM6E-C3-200kg-2B
300kg	C3	BM6E-C3-300kg-2B

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. 2013.12 BM6E Rev2

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T: +31 76 50 39480
F: +31 76 50 39481
info@zemic.nl
www.zemic.nl

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Detailed specifications BM6E

Accuracy class		C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity ($E_{\max}$)	kg	50, 200, 300
Max.number of load cell intervals	n_{LC}	3000
Ratio of min. LC verification interval	$Y = E_{\max} / v_{\min}$	10000
Combined Error	%FS	$\leq \pm 0.0230$
Minimum dead load	Of $E_{\max}$	0%
Safe overload	of $E_{\max}$	150 %
Ultimate overload	of $E_{\max}$	300 %
Zero balance	of FS	$< \pm 1.5 \%$
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	350 ± 3.5
Output resistance	Ω	351 ± 2.0
Insulation resistance	M Ω	≥ 5000 (at 50VDC)
Compensated temperature	$^{\circ}\text{C}$	-10 ...+40
Operating temperature	$^{\circ}\text{C}$	-35 ...+65
Storage temperature	$^{\circ}\text{C}$	-40 ...+70
Element material		Stainless steel
Ingress Protection (acc. to EN 60529)		IP68
Recommended torque on fixation	Nm	M6: 10
Corner correction		0.02% load value / 100mm

Wiring

Wiring:

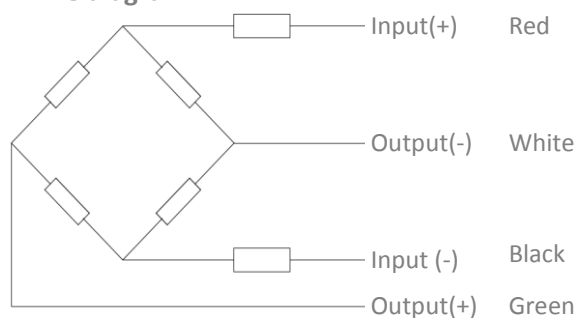
Shielded cable, 4 conductor cable.

Cable diameter: $\varnothing 5\text{mm}$.

Standard cable length: 2m.

Shield not connected to element

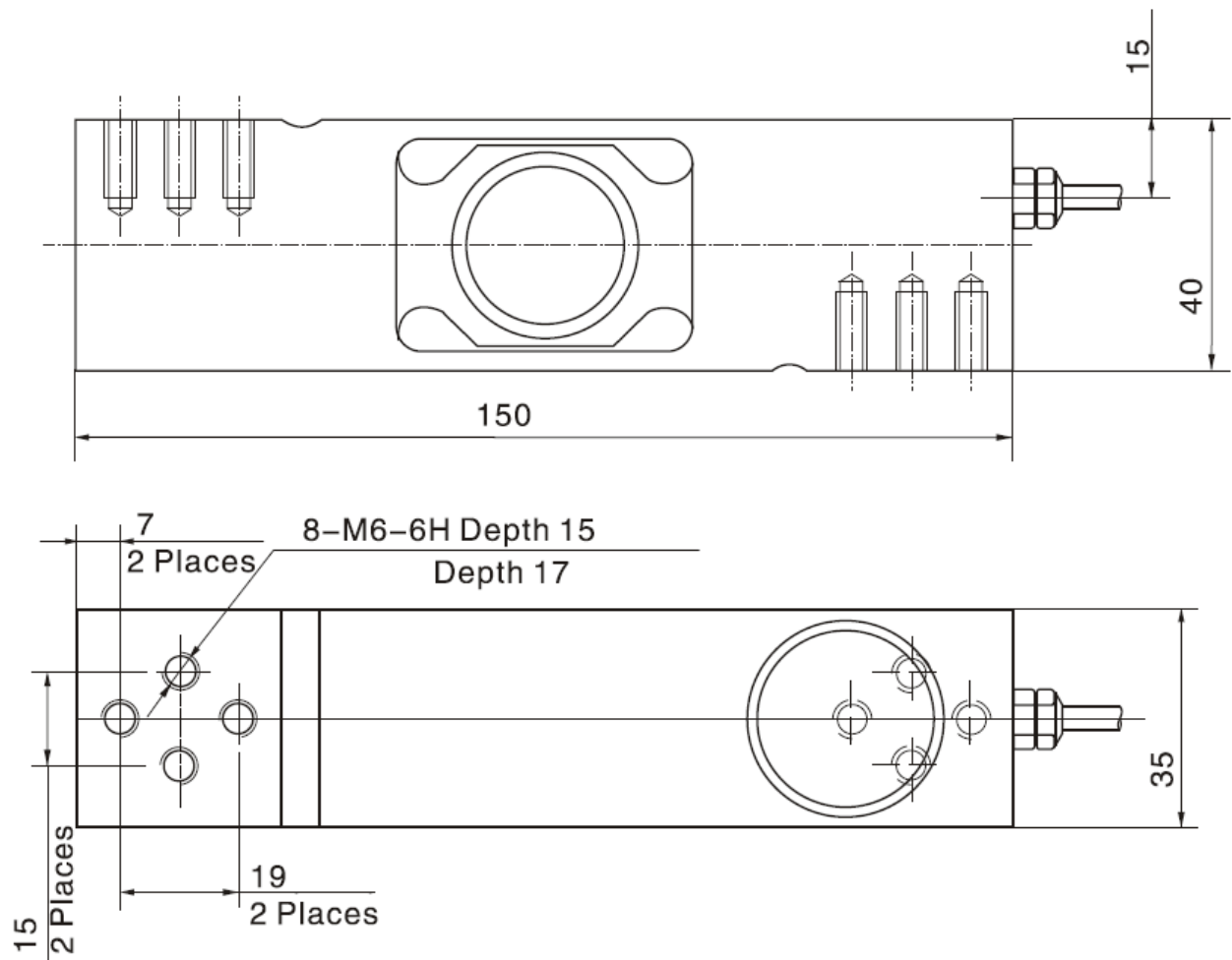
4-wire diagram



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Dimensions in mm



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