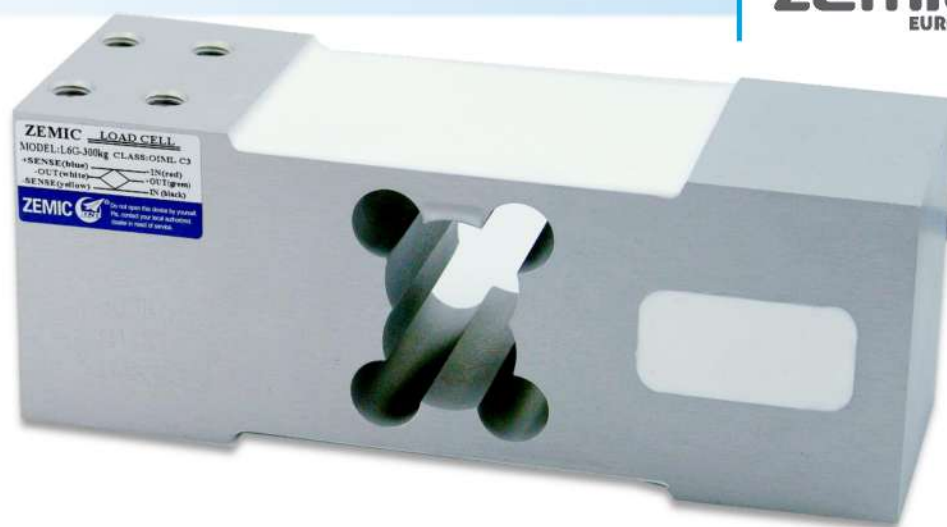


Type L6G Load Cell



Short Description



- Aluminium-alloy IP65 single point load cell
- Colourless anodized
- Suitable for single and double load cells structured platform scales
- Maximum platform size: 600 x 600 mm
- A 1000 Ohm type available (R1) but is excluded from OIML



Test certificate no. TC11191 Rev. 1 &
Test certificate no. D09-03.22 Rev. 2
Cof C no R60/2000-NL1-17.67

Available Models

Capacity	Accuracy	Full Article Description
50kg	C3	L6G-C3-50kg-3G6
100kg	C3	L6G-C3-100kg-3G6
150kg	C3/C4	L6G-C3/C4-150kg-3G6
200kg	C3/C4	L6G-C3/C4-200kg-3G6
250kg	C3/C4	L6G-C3/C4-250kg-3G6
300kg	C3/C4	L6G-C3/C4-300kg-3G6
500kg	C3/C4	L6G-C3/C4-500kg-3G6
600kg	C3/C4	L6G-C3/C4-600kg-3G6

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

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Border Scales cc
Physical Address:
Cnr Courtenay & Keats Street,
Cambridge, East London, 5247
Contact us:
Tel No.: 043 - 726 2801

Our Services
Border Scales is accredited by SANAS and NRCS to perform Legal Metrology
Verification of scales used in trade within our scope of 3kg to 3000kg.
Our trained and skilled technicians will service, calibrate and repair all
equipment we sell. We offer in-house training on all new equipment
installations.



Type L6G Load Cell

Technical Specifications L6G

Accuracy Class		OIML R60 C3	OIML R60 C4
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum Capacity (Emax)	kg	50, 100, 150, 200, 250 300, 500, 600	150, 200, 250 300, 500, 600
Max. Number of Load Cell Intervals	nLC	3000	4000
Ratio of min. LC Verification Interval	$Y = E_{max} / \psi^{in}$	10000	15000
Combined Error	%FS	≤ ± 0.020	≤ ± 0.015
Creep Error (30 minutes)	%FS	≤ ± 0.0167	≤ ± 0.0125
Temperature Effect on Zero (ZTC)	%FS/10°C	≤ ± 0.020	≤ ± 0.012
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤ ± 0.0175	≤ ± 0.0131
Zero Balance	%FS	≤ ± 2.0	
Safe Overload	%FS	120	
Ultimate Overload	%FS	150	
Eccentric Loading Error	%Ld/cm	± 0.002	
Excitation, Recommended Voltage	V	5 ~ 12	
Excitation, Maximum Voltage	V	18	
Input Resistance	Ω	409 ± 6	
Output Resistance	Ω	350 ± 3	
Insulation Resistance (50V)	MΩ	≥ 5000	
Compensated Temperature	°C	-10 ~ + 40	
Operating Temperature	°C	-35 ~ + 65	
Storage Temperature	°C	-40 ~ + 70	
Load Cell Weight	kg	± 1.7	
Element Material		Aluminium	
Ingress Protection (acc. to EN 60529)		IP65	
Recommended Torque on Fixation Bolts	Nm	M8: 20	

Wiring

Features:

Cable type:

Shielded, 6 conductor cable , conductor AWG 24

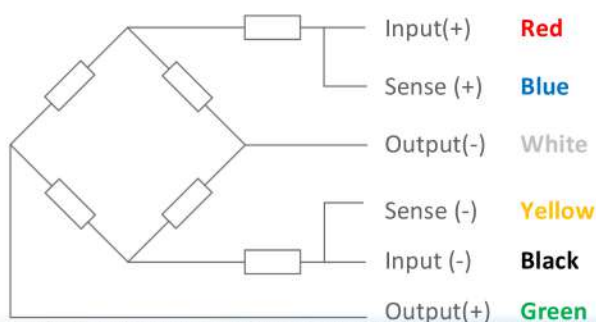
Cable diameter: Ø 5.9mm

Cable length: 3.0m

Cable jacket: PVC

Shield connected to element

6-Wire Connection Diagram

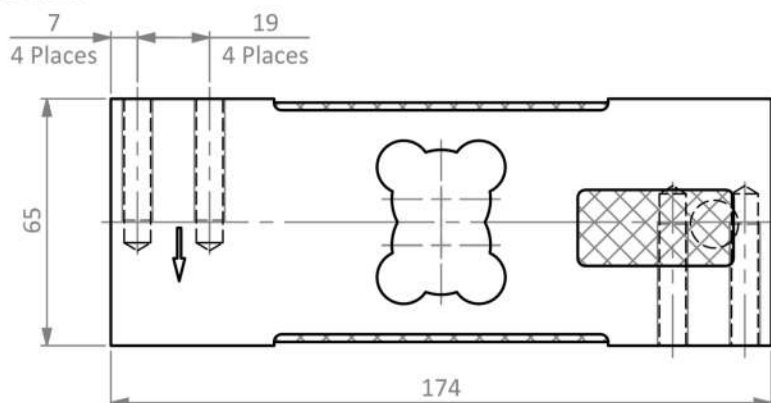


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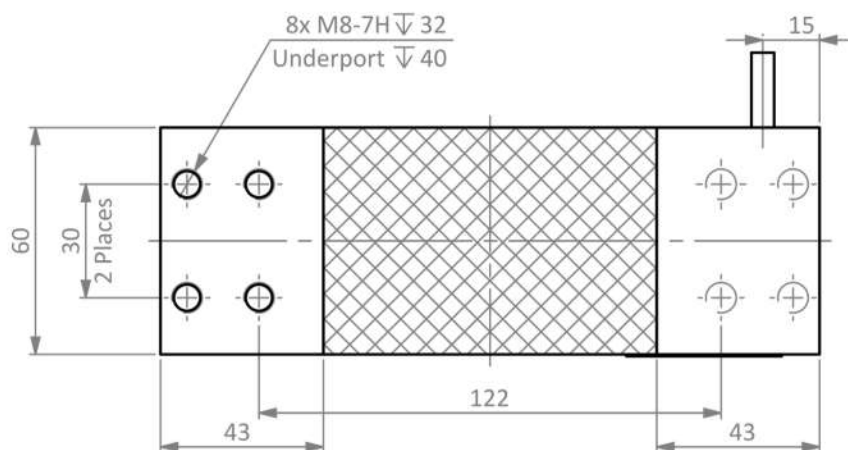
Type L6G Load Cell

Dimensions in mm

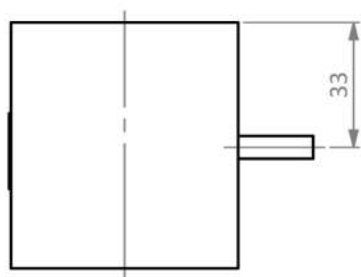
Front View



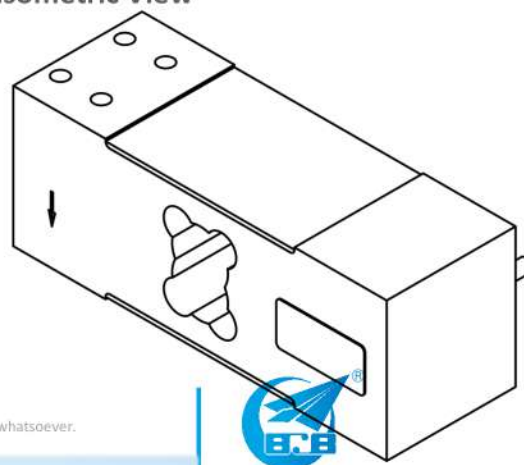
Top View



Side View



Isometric View



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