



Short Description



- Aluminium-alloy IP65 single point load cell
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Recommended maximum platform size: 400 × 400 mm



Test certificate no. D09-06.11 Rev. 1
Test certificate no. TC12195 Rev. 0
C of C no R60/2017-A-NL1-22.10



Certificate no. 11-055

Available Models

Capacity	Accuracy	Full Article Description
3kg	C3/C4/C5	L6N-C3/C4/C5-3kg-3B6
5kg	C3/C4/C5	L6N-C3/C4/C5-5kg-3B6
8kg	C3/C4/C5	L6N-C3/C4/C5-8kg-3B6
10kg	C3/C4/C5	L6N-C3/C4/C5-10kg-3B6
15kg	C3/C4/C5	L6N-C3/C4/C5-15kg-3B6
20kg	C3/C4/C5	L6N-C3/C4/C5-20kg-3B6
30kg	C3/C4	L6N-C3/C4-30kg-3B6
40kg	C3/C4	L6N-C3/C4-40kg-3B6
50kg	C3/C4	L6N-C3/C4-50kg-3B6
75kg	C3/C4	L6N-C3/C4-75kg-3B6
100kg	C3	L6N-C3-100kg-3B6
200kg	C3 (Excluded from OIML)	L6N-C3-200kg-3B6

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

Technical Specifications L6N

Accuracy Class		C3	OIML R60 C3	OIML C4	OIML C5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2			
Maximum Capacity (E _{max})	kg	200	3, 5, 8, 10, 15, 20, 30, 40, 50, 75, 100	3, 5, 8, 10, 15, 20, 30, 40, 50, 75	3, 5, 8, 10, 15, 20
Max. Number of Load Cell Intervals	n _{LC}	3000		4000	5000
Ratio of min. LC Verification Interval	Y = E _{max} / V _{min}	7000	10000	15000	14000
Combined Error	%FS	≤± 0.0230		≤± 0.0175	≤± 0.010
Creep Error (30 minutes)	%FS	≤± 0.0167		≤± 0.0125	≤± 0.010
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.0140		≤± 0.0120	≤± 0.010
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.0175		≤± 0.0131	≤± 0.009
Zero Balance	%FS	≤ ± 2.0			
Safe Overload	%FS	120			
Ultimate Overload	%FS	150			
Maximum Deflection	mm	3kg – 30kg: 0.6 – 0.9		40kg – 200kg: 0.3 – 0.5	
Eccentric Loading Error	%Ld/100mm	0.02			
Excitation, Recommended Voltage	V _{DC}	5 ~ 15			
Excitation, Maximum Voltage	V _{DC}	18			
Input Resistance	Ω	406 ± 6			
Output Resistance	Ω	350 ± 3			
Insulation Resistance (@ 50V _{DC})	MΩ	≥5000			
Compensated Temperature	°C	-10 ~ + 40			
Operating Temperature	°C	-35 ~ + 65			
Load Cell Weight	kg	~0.3			
Element Material		Aluminium			
Ingress Protection (acc. to EN 60529)		IP65			
Recommended Torque on Fixation Bolts	Nm	M6: 10			

Wiring

Features:

Cable type: Shielded, 6 conductor cable , conductor AWG 26

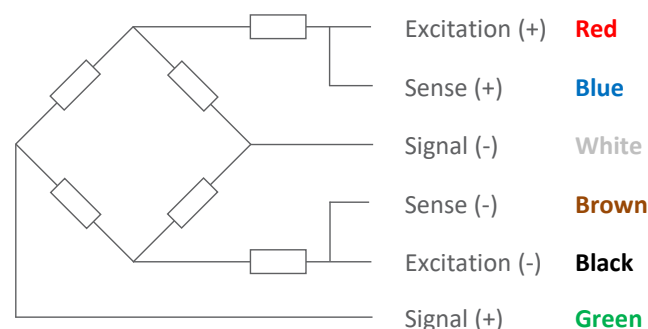
Cable diameter: Ø 4.8 ± 0.2mm

Cable length: 3.0 ± 0.05m

Cable jacket: PVC

Shield not connected to element

6-Wire Connection Diagram



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Technical drawing of a mechanical part (Fig. 1) showing a side view with dimensions. The part is a long, rectangular component with a central section filled with a cross-hatch pattern. It has two circular holes on the left, a central section with a cross-hatch pattern, and a circular hole on the right. A small cylindrical protrusion is on the far right. Dimensions are given in millimeters.

Dimensions (mm):

- Overall length: 150,11
- Distance from left edge to first hole: 5,8
- Distance between first and second hole: 19,05 ± 0,1
- Distance from second hole to start of cross-hatched section: 34
- Length of cross-hatched section: 100,08 ± 0,1
- Distance from end of cross-hatched section to third hole: 19,05 ± 0,1
- Distance from third hole to right edge: 5,84
- Distance from right edge of main body to end of protrusion: 18
- Height of the part: 25,4



Zemic Europe B.V.
T: +31 76 50 39480
info@zemic.nl
www.zemiceurope.com