

Type L6N Load Cell



Short description



- Aluminium-alloy IP65 single point load cell.
- Colourless anodized
- Suitable for single or double load cell structured platform scales
- Maximum platform size: 350 x 400 mm



test certificate no. D09-06.11 Revision 1
C of C no R60/2000-CNI-06.04



Certificate no. 11-055

Available models

Capacity	Accuracy	Full article description
3kg	C3	L6N-C3-3kg-3B6
5kg	C3	L6N-C3-5kg-3B6
8kg	C3	L6N-C3-8kg-3B6
10kg	C3	L6N-C3-10kg-3B6
15kg	C3/C4	L6N-C3/C4-15kg-3B6
20kg	C3/C4	L6N-C3/C4-20kg-3B6
30kg	C3/C4	L6N-C3/C4-30kg-3B6
50kg	C3/C4	L6N-C3/C4-50kg-3B6
75kg	C3/C4	L6N-C3/C4-75kg-3B6
100kg	C3	L6N-C3-100kg-3B6

Type L6N Load Cell

Detailed specifications L6N

Accuracy class		OIML R60 C3	OIML R60 C4
Output sensitivity (= FS)	mV/V	2.0 ± 0.2	
Maximum capacity (E _{max})	kg	3, 5, 8, 10, 15, 20, 30, 50, 75, 100	15, 20, 30, 50, 75
Max.number of load cell intervals	n _{LC}	3000	4000
Ratio of min. LC verification interval	Y = E _{max} / V _{min}	12000	20000
Combined Error	%FS	≤± 0.0230	≤± 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	< ± 2.0 %	
Excitation, recommended voltage	V	5 ~ 12	
Excitation maximum	V	18	
Input resistance	Ω	409 ± 6	
Output resistance	Ω	350 ± 3	
Insulation resistance	MΩ	≥5000 (at 50VDC)	
Compensated temperature	°C	-10 ~+40	
Operating temperature	°C	-35 ~ +65	
Storage temperature	°C	-40 ~ +70	
Element material		Aluminium	
Ingress Protection (acc. to EN 60529)		IP65	
Recommended torque on fixation	Nm	M6: 10	

bolts

> 30kg: 10

Wiring

Wiring:

Shielded, 6 conductor cable.

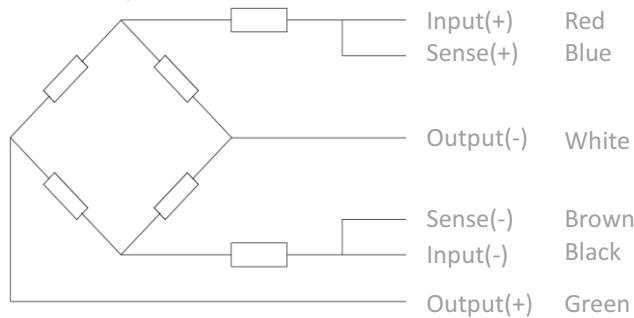
Cable Diameter: Ø5mm

Standard cable length: 3m

Shield not connected to element.

Cable jacket is PVC.

6-wire diagram



Type L6N Load Cell

Dimensions in mm

