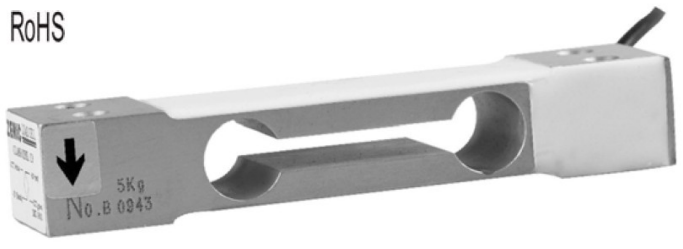



Datasheet: L6D load cell

OIML test certificate no. TC7868 Revision 0
OIML C of C no. R60/2000-NL1-10.35
NTEP certificate no. 11-012

RoHS



- Aluminium-Alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc.
- Maximum platform size: 250 x 350 mm



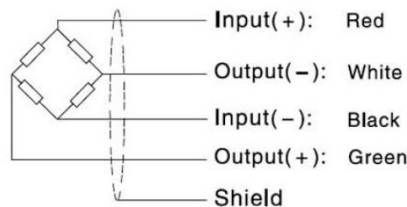
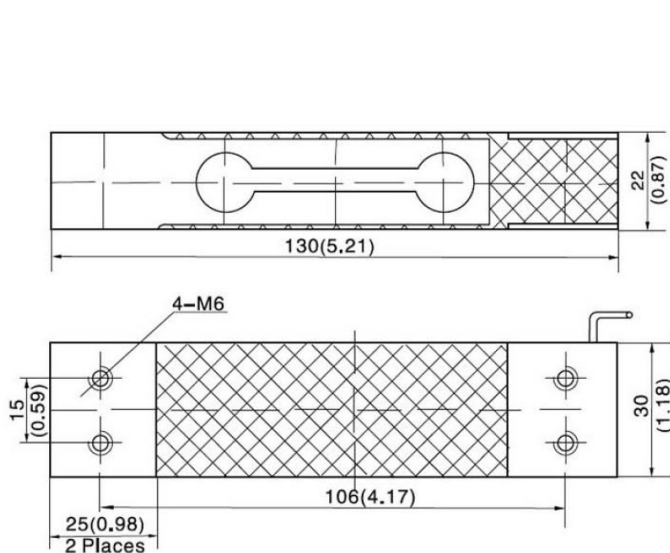
Capacity	Accuracy	Part-Number
2.5 kg	C3D ¹	L6D-C3D-2.5kg-0.40B
3 kg	C3/C4/C5	L6D-Cx-3kg-0.40B
5 kg	C3/C4/C5	L6D-Cx-5kg-0.40B
6 kg	C3/C4/C5	L6D-Cx-6kg-0.40B
8 kg	C3/C4/C5	L6D-Cx-8kg-0.40B
10 kg	C3/C4/C5	L6D-Cx-10kg-0.40B
15 kg	C3/C4/C5	L6D-Cx-15kg-0.40B
20 kg	C3/C4/C5	L6D-Cx-20kg-0.40B
30 kg	C3/C4/C5	L6D-Cx-30kg-0.40B
35 kg	C3/C4/C5	L6D-Cx-35kg-0.40B
40 kg	C3/C4/C5	L6D-Cx-40kg-0.40B
50 kg	C3/C4/C5	L6D-Cx-50kg-0.40B

Specifications:

		C3D ¹	OIML R60 C3	OIML R60 C4	OIML R60 C5
Accuracy class					
Output sensitivity	mV/V	1.8 ± 0.2	2.0 ± 0.2		
Maximum capacity (E _{max})	kg	2.5 ¹	3, 5, 6, 8, 10, 15, 20, 30, 35, 40, 50		
Maximum number of load cell intervals (n _{LC})		3000	3000	4000	5000
Ratio of minimum LC verification interval Y = E _{max} / V _{min}		7000	10000	15000	20000
Ratio of minimum dead load output return Z = E _{max} /2 * DR		3000		6000	7500
Combined Error	%FS	≤ ± 0.0200		≤ ± 0.0175	≤ ± 0.0140
Minimum dead load	kg	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			
Terminal resistance, input	Ω	409 ± 6			
Terminal resistance, output	Ω	350 ± 3			
Insulation impedance	MΩ	≥ 5000 (at 50VDC)			
Temperature range, compensated	°C	-10 ~ +40			
Temperature range, operating	°C	-35 ~ +65			
Element material		Aluminium			
Recommended torque on fixation bolts	Nm	< 30kg: 6		≥30kg:10	
Ingress Protection (according to EN 60529)		IP65			

Note 1: 2.5kg is not OIML approved

Outline Dimensions in mm (inch)



- Dimensions and specifications are subject to change without notice.
- Installed screw request M6, 8.8 class, screw rinsed with oil, torque 10Nm.

- Wiring:**
- Adopt a shielded, 4 conductor cable, and cable jacket is PVC.
 - Cable length: 0.40 ± 0.05m.
 - Cable diameter: 3.8 ± 0.2mm.
 - Shield not connected to element.