Datasheet: L6C load cell

RoHS



Capacity	Accuracy	Part-Number
3 kg	C3D	L6C-C3D-3kg-0.35P5
5 kg	C3D	L6C-C3D-5kg-0.35P5
8 kg	C3D	L6C-C3D-8kg-0.35P5
20 kg	C3D	L6C-C3D-20kg-0.35P5
30 kg	C3D	L6C-C3D-30kg-0.35P5
50 kg	C3D	L6C-C3D-50kg-0.35P5

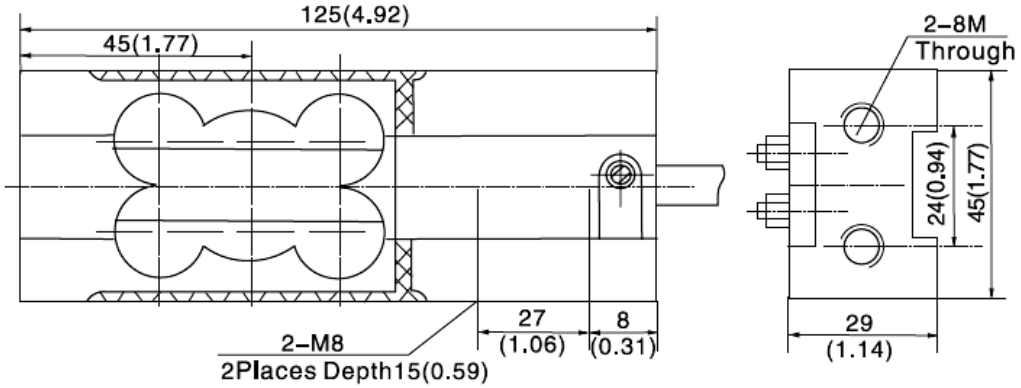
- Aluminium-Alloy IP65 single point load cell.
- Colourless anodized
- Suitable for counting and other electronic scales, etc.
- Recommended platform size: 250 x 350mm

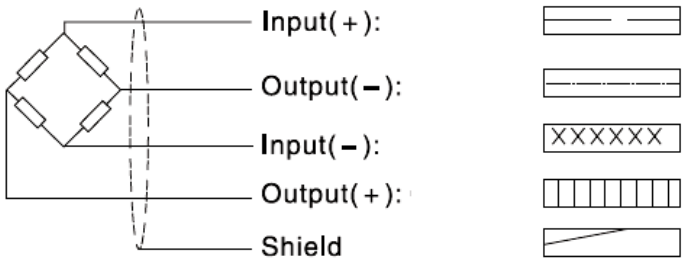
IP65

Specification:

Accuracy class		C3D
Output sensitivity (= FS)	mV/V	1.9 ± 0.2
Maximum capacity (E_{max})	kg	3, 5, 8, 20, 30, 50
Maximum number of load cell intervals (n_{LC})		2500
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		5000
Combined Error	%FS	± 0.0280
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 ± 3.5
Insulation impedance	MΩ	≥5000 (at 50VDC)
Temperature range, compensated	℃	-10 ~+40
Temperature range, operating	℃	-20 ~ +50
Element material		Aluminium
Recommended torque on fixation bolts	Nm	15
Ingress Protection (according to EN 60529)		IP65

Outline Dimensions in mm





- Dimensions and specifications are subject to change without notice.
- Installed screw request M8, 8.8 class, with oiled screw, torque 25Nm.

Wiring:
- Adopt a shielded, 5 conductor ribbon cable.
- Cable length: 0.35 ± 0.05m.
- Shield not connected to element.

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