



Short Description

- Aluminium-Alloy IP65 single point load cell
- Colourless anodized
- Suitable for single and double load cell structured platform scales
- Maximum platform size: 400 x 400 mm



Test certificate no. D09-07.06 and
TC7969 Revision 0
C of C no R60/2000-NL1-11.22



Certificate no. 11-104

Available Models

Capacity	Accuracy	Full Article Description
50kg	C3/C4	L6Q-C3/C4-50kg-3B6
100kg	C3/C4/C5	L6Q-C3/C4/C5-100kg-3B6
150kg	C3/C4/C5	L6Q-C3/C4/C5-150kg-3B6
200kg	C3/C4/C5	L6Q-C3/C4/C5-200kg-3B6
250kg	C3/C4/C5	L6Q-C3/C4/C5-250kg-3B6



Type L6Q Load Cell

Technical Specifications L6Q

Accuracy Class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output Sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum Capacity (E _{max})	kg	50, 100, 150, 200, 250		100, 150, 200, 250
Max. Number of Load Cell Intervals	n _{LC}	3000	4000	5000
Ratio of min. LC Verification Interval	Y = E _{max} / V _{min}	10000	15000	20000
Combined Error	%FS	≤± 0.023	≤± 0.0175	≤± 0.0140
Creep Error (30 minutes)	%FS	≤± 0.0245	≤± 0.0184	≤± 0.0147
Temperature Effect on Zero (ZTC)	%FS/10°C	≤± 0.014	≤± 0.012	≤± 0.009
Temperature Effect on Sensitivity (STC)	%FS/10°C	≤± 0.0175	≤± 0.0131	≤± 0.0105
Zero Balance	%FS	≤± 2.0		
Safe Overload	%FS	120		
Ultimate Overload	%FS	150		
Maximum Deflection	mm	0.62		
Eccentric Loading Error	%Ld/cm	± 0.002		
Excitation, Recommended Voltage	V	5 ~ 12		
Excitation, Maximum Voltage	V	18		
Input Resistance	Ω	406 ± 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	0.64		
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

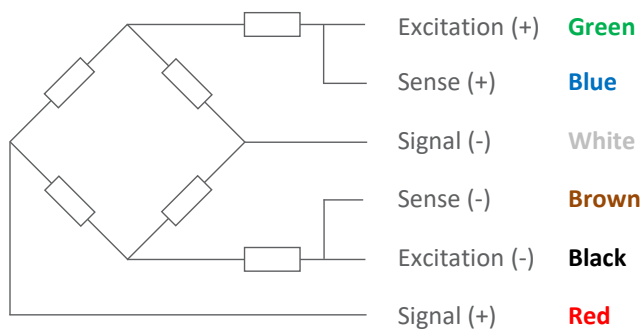
Cable diameter: Ø 5.0mm

Cable length: 3m

Cable jacket: PVC

Shield not connected to element

6-Wire Connection Diagram

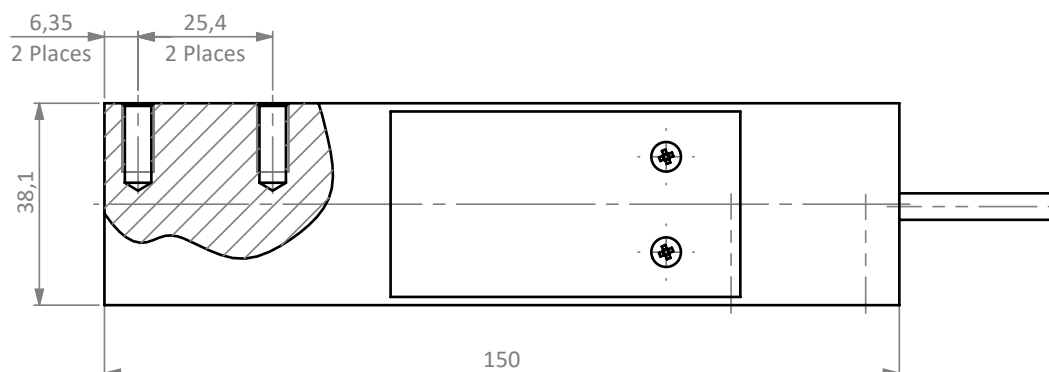


Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

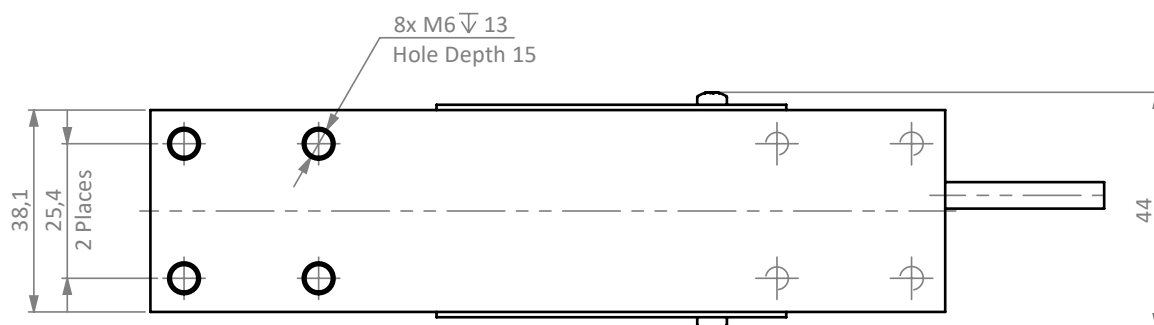
Type L6Q Load Cell

Dimensions in mm

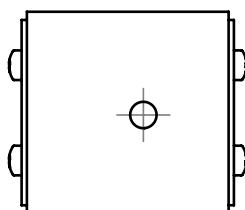
Front View



Top View



Side View



Isometric View

