L6Q

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



Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6Q–C3/C4–50kg–3B6
100 kg	C3/C4/C5	L6Q–C3/C4/C5–100kg–3B6
150 kg	C3/C4/C5	L6Q–C3/C4/C5–150kg–3B6
200 kg	C3/C4/C5	L6Q–C3/C4/C5–200kg–3B6
250 kg	C3/C4/C5	L6Q–C3/C4/C5–250kg–3B6

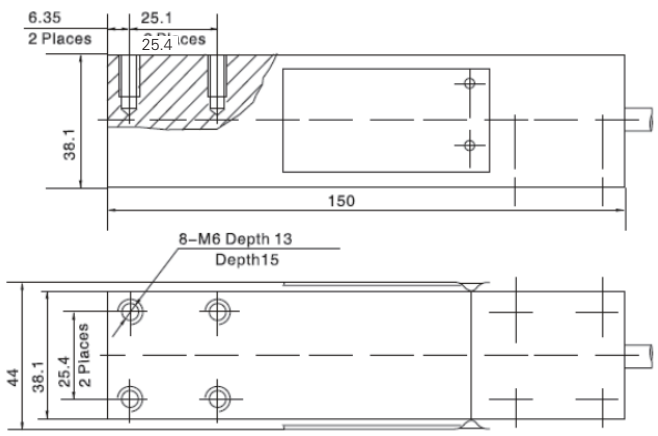
test certificate no. D09–07.06 and TC7969 Revision 0 C of C no R60/2000–NL1–11.22

Certificate no. 11–104

Specification

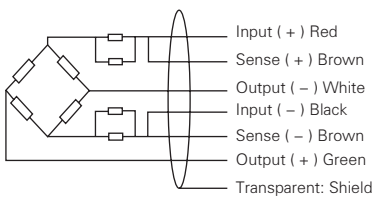
Accuracy class		OIML R60 C3	OIML R60 C4	OIML R60 C5
Output sensitivity (= FS)	mV/V	2.0 ± 0.2		
Maximum capacity (E_{max})	kg	50/100/150/200/250		100/150/200/250
Maximum number of load cell intervals (nLC)		3000	4000	5000
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		10000	15000	20000
Combined error	%FS	± 0.02	± 0.015	± 0.01
Minimum dead load	%FS	0		
Safe overload	%FS	120 %		
Ultimate overload	%FS	150 %		
Zero balance	%FS	± 2.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Input resistance	Ω	406 ± 6		
Output resistance	Ω	350 ± 3		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	℃	–10 ~+40		
Operating temperature	℃	–35 ~ +65		
Storage temperature	℃	–40 ~ +70		
Element material		Aluminium		
Recommended torque on fixation	N.m	M6: 10		
Ingress protection (according to EN 60529)		IP65		

Dimensions in mm



M	Metric	Imperial
	M6x1	1/4–20UNC–2B

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ4.8mm.
- Standard cable length: 3m.
- Shield not connected to element.
- Cable jacket in PVC.