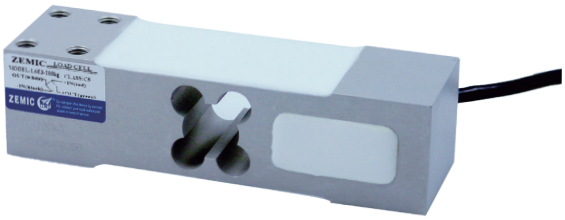
L6E3

- Aluminium–alloy IP65 single point load cell.
- Colourless anodized
- Suitable for pricing scales, bench scales, etc
- Maximum platform size: 450 x 450 mm



Certificate no. 11–062

test certificate no. TC7836 Revision 1
C of C no R60/2000–NL1–10.34

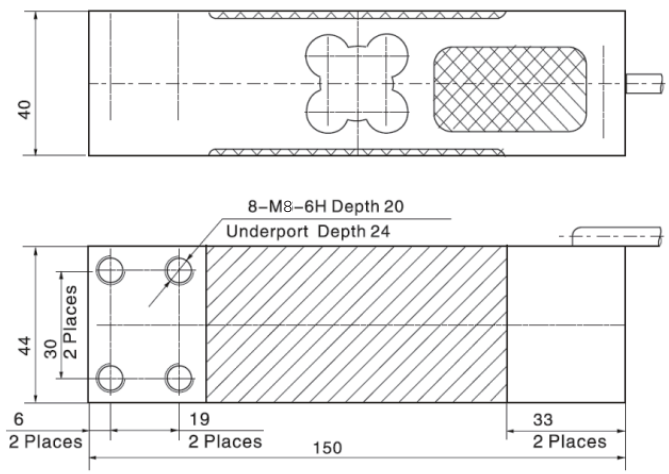
Available models

Capacity	Accuracy	Full article description
50 kg	C3/C4	L6E3–C3/C4–50kg–2G
100 kg	C3/C4	L6E3–C3/C4–100kg–2G
150 kg	C3/C4	L6E3–C3/C4–150kg–2G
200 kg	C3/C4	L6E3–C3/C4–200kg–2G
250 kg	C3/C4	L6E3–C3/C4–250kg–2G
300 kg	C3/C4/C5	L6E3–C3/C4/C5–300kg–2G
400 kg	C3/C4/C5	L6E3–C3/C4/C5–400kg–2G
500 kg	C3/C4/C5	L6E3–C3/C4/C5–500kg–2G

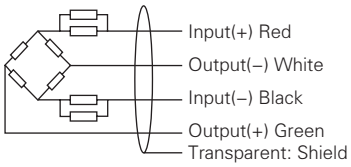
Specification

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	50/100/150/200/250/300/400/500		300/400/500
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	± 0.0200	± 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		
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



Wiring



- Shielded, 4 conductor cable.
- Cable diameter: Φ5.3mm.
- Standard cable length: 2m.
- Shield connected to element.
- Cable jacket in PVC.