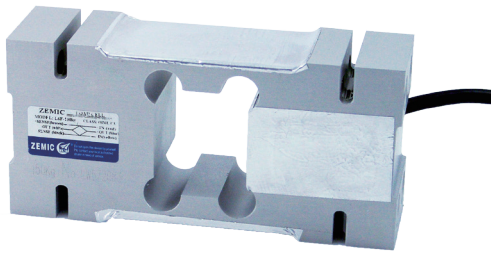
L6F



- Aluminium–alloy IP65 single point load cell.
- Colourless anodized
- Suitable for belt, pricing and platform scales
- Maximum platform size:
  for 50kg–200kg: 600 x 600 mm
  for 250kg–500kg: 600 x 800 mm
  for 750kg–2t: 1200 x 1200 mm

test certificate no. D09–06.10
C of C no R60/2000–CN1–06.01

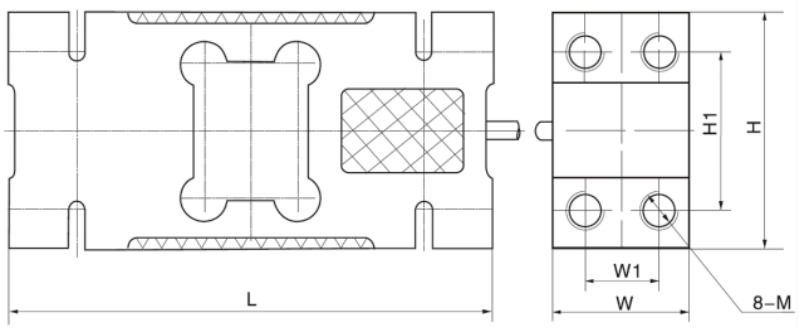
Available models

Capacity	Accuracy	Full article description
50 kg	C3	L6F–C3–50kg–3B6
100 kg	C3	L6F–C3–100kg–3B6
150 kg	C3	L6F–C3–150kg–3B6
200 kg	C3	L6F–C3–200kg–3B6
250 kg	C3	L6F–C3–250kg–3B6
500 kg	C3	L6F–C3–500kg–3B6
750 kg	C3	L6F–C3–750kg–3B6
1000 kg	C3	L6F–C3–1000kg–3B6
2000 kg	C3	L6F–C3–2000kg–3B6

Specification

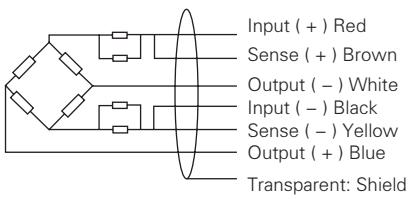
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (E_{max})	kg	50/100/150/200/250/500/750/1000/2000
Maximum number of load cell intervals (nLC)		3000
Ratio of minimum LC verification interval Y = E_{max} / v_{min}		7000
Combined error	%FS	± 0.02
Minimum dead load	kg	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	M12: 100 M16: 160
Ingress protection (according to EN 60529)		IP65

Dimensions in mm



Capacity \ Dimension	H	H1	L	W	W1	M
50~200kg, 250kgSE	75(2.95)	50(1.97)	156(6.14)	44(1.73)	24(0.94)	M12Depth20
250~500kg, 250kgSE	95(3.74)	70(2.76)	146(5.75)	60(2.36)	36(1.41)	M12Depth18
750~2000kg	125(4.92)	95(3.74)	176(6.93)	76(2.99)	46(1.81)	M16Depth20

Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ6.2mm.
- Standard cable length: 3m.
- Shield not connected to element.
- Cable jacket in PVC