

Type L6F Load Cell



Short description



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-CN1-06.02

Available models

Capacity	Accuracy	Full article description
50kg	C3	L6F-C3-50kg-3B6
100kg	C3	L6F-C3-100kg-3B6
150kg	C3	L6F-C3-150kg-3B6
200kg	C3	L6F-C3-200kg-3B6
250kg	C3	L6F-C3-250kg-3B6
500kg	C3	L6F-C3-500kg-3B6
750kg	C3	L6F-C3-750kg-3B6(-W1)
1000kg	C3	L6F-C3-1000kg-3B6
2000kg	C3	L6F-C3-2000kg-3B6

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Detailed specifications L6F

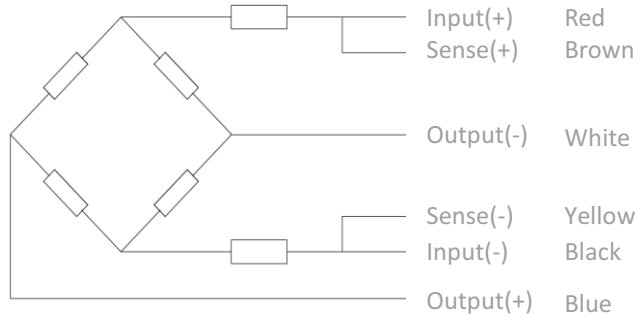
Accuracy class		OIML R60 C3
Output sensitivity (= FS)	mV/V	2.0 ± 0.2
Maximum capacity (E _{max})	kg	50, 100, 150, 200, 250, 500, 750, 1000, 2000
Max.number of load cell intervals	n _{LC}	2.0 ± 0.2
Ratio of min. LC verification interval	Y = E _{max} / V _{min}	7000
Combined Error	%FS	≤ ± 0.0230
Minimum dead load	Of E _{max}	10000
Safe overload	of E _{max}	≤ ± 0.0175
Ultimate overload	of E _{max}	15000
Zero balance	of FS	≤ ± 0.0140
Excitation, recommended voltage	V	5 ~ 12
Excitation maximum	V	18
Input resistance	Ω	406 ± 6
Output resistance	Ω	350 ± 3
Insulation resistance	MΩ	≥5000 (at 50VDC)
Compensated temperature	°C	-10 ~ +40
Operating temperature	°C	-35 ~ +65
Storage temperature	°C	-40 ~ +70
Element material		Aluminium
Ingress Protection (acc. to EN 60529)		IP65
Recommended torque on fixation bolts	Nm	M12: 75 M16: 200

Wiring

Wiring:

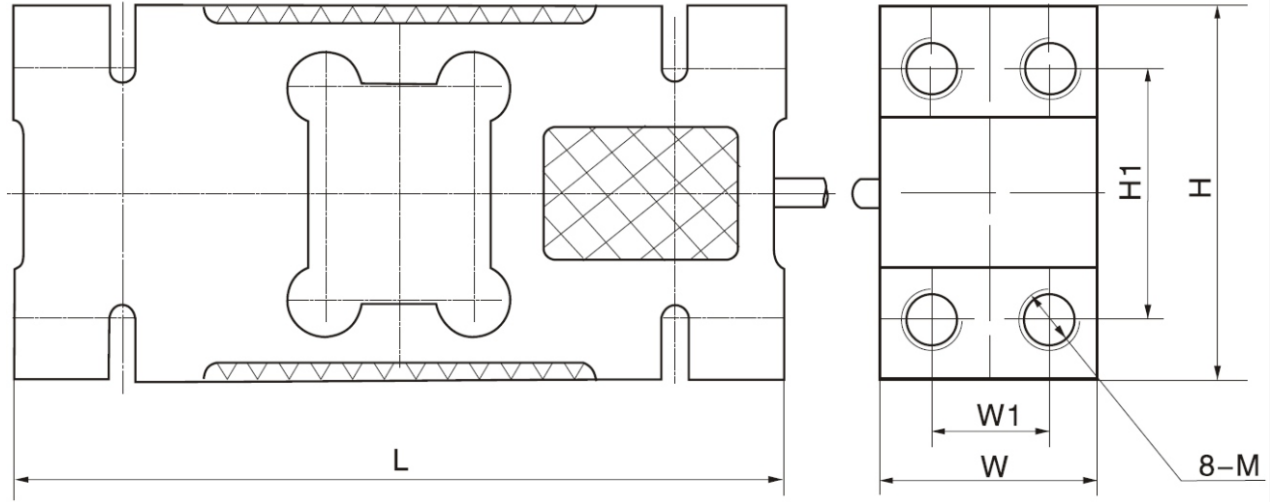
Shielded, 6 conductor cable.
Cable diameter: Ø6.2mm.
Standard cable length: 3m.
Shield not connected to element.
Cable jacket in PVC.

6-wire diagram



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Dimensions in mm



Dimension Capacity	H	H1	L	W	W1	M
50kg-200kg	75	50	156	44	24	M12
250kg-500kg, 750kg-W1	95	70	146	60	36	M12
750-2000kg	125	95	176	76	46	M16