

# 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
1000kg	C3	L6F-C3-1000kg-3B6
2000kg	C3	L6F-C3-2000kg-3B6

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

## Detailed specifications L6F

Accuracy class		OIML R60 C3
Output sensitivity ( = FS )	mV/V	2.0 ± 0.2
Maximum capacity ( E <sub>max</sub> )	kg	50, 100, 150, 200, 250, 500, 750, 1000, 2000
Max.number of load cell intervals	n <sub>LC</sub>	3000
Ratio of min. LC verification interval	$Y = E_{\max} / v_{\min}$	7000
Combined Error	%FS	≤± 0.0230
Minimum dead load	Of E <sub>max</sub>	0%
Safe overload	of E <sub>max</sub>	150 %
Ultimate overload	of E <sub>max</sub>	300 %
Zero balance	of FS	< ± 2.0 %
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	Nm	M12: 75      M16: 200

## Wiring

### Wiring:

Shielded, 6 conductor cable.

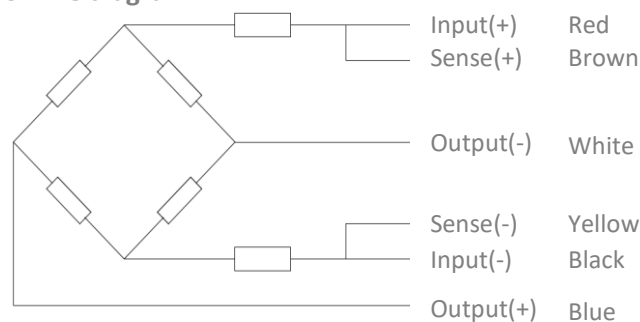
Cable diameter: Ø6.2mm.

Standard cable length: 3m.

Shield not connected to element.

Cable jacket in PVC.

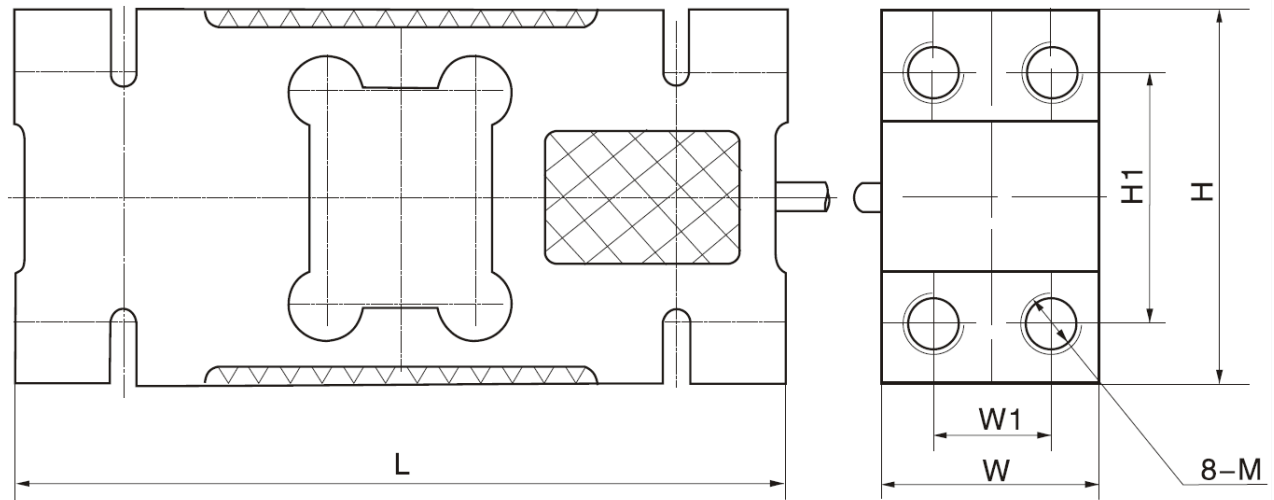
### 6-wire diagram



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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	95	70	146	60	36	M12
750-2000kg	125	95	176	76	46	M16

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