

RICHTER SCALE



L6F

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- L6F load cells are available in the capacities 50kg~2000kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for electronic pricing scales, platform scales and other electronic weighing devices.

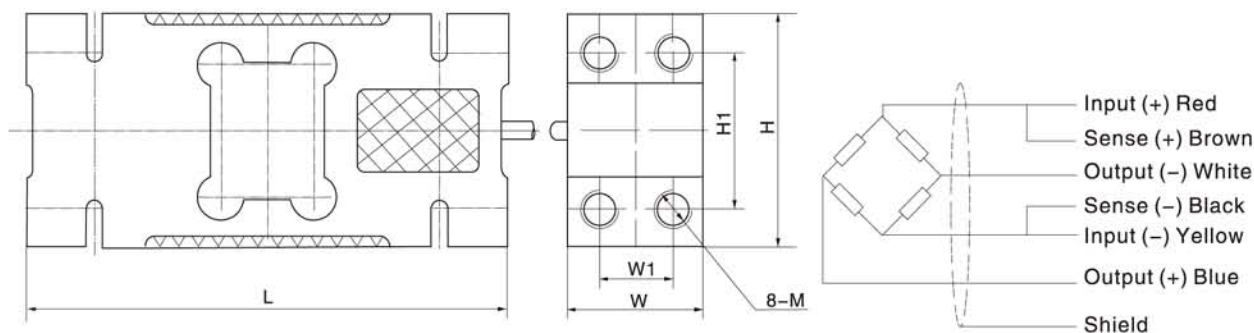
Features

- Capacity: 50kg~2000kg
- High accuracy
- Max. platform size:
50kg~200kg 600×600mm
250kg~500kg 600×800mm
750kg~2000kg 1200×1200mm
- OIML Certificates No:R60/2000-CN1-06.01 Revision 1
- PTB Approval No:D09-06.10

Specifications

Capacity	kg	50/100/150/200/250/500/750/1000/2000		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n _{max}	2500	3000	4000
Minimum load cell verification interval	v _{min}	E _{max} /5000	E _{max} /7000	E _{max} /11000
Combined error	(%FS)	≤ ±0.030	≤ ±0.020	≤ ±0.015
Creep	(%FS/30min)	≤ ±0.020	≤ ±0.0167	≤ ±0.0125
Temperature effect on sensitivity	(%FS/10°C)	≤ ±0.021	≤ ±0.0175	≤ ±0.0131
Temperature effect on zero	(%FS/10°C)	≤ ±0.028	≤ ±0.020	≤ ±0.0127
Output sensitivity	(mv/v)	2.0±0.2		
Input resistance	(Ω)	406±6		
Output resistance	(Ω)	350±3		
Insulation resistance	(MΩ)	≥5000(50VDC)		
Zero balance	(%FS)	2		
Temperature, compensated	(°C)	-10~+40		
Temperature, operating	(°C)	-35~+65		
Excitation, recommended	(V)	5~12(DC)		
Excitation, max	(V)	18(DC)		
Safe overload	(%FS)	150		
Ultimate overload	(%FS)	300		
Corner correction		0.02%load value/100mm		

Outline Dimension mm(inch)



Dimension	H	H1	L	W	W1	M
Capacity						
50 - 200kg, 250kgSE	75(2.95)	50(1.97)	156(6.14)	44(1.73)	24(0.94)	M12-7H Depth20(0.79)
250 - 500kg, 750kgSE	95(3.74)	70(2.76)	146(5.75)	60(2.36)	36(1.42)	M12-7H Depth18(0.71)
750 - 2000kg	125(4.92)	85(3.35)	176(6.93)	76(2.99)	46(1.81)	M16-7H Depth20(0.79)

Wiring:

Adopt a shielded, 6 conductor cable, and cable jacket is PVC.
Cable length: 3 ± 0.1m
Cable diameter: 6.2 ± 0.2mm