

# RICHTER SCALE

## L6C

Visit [www.load-cell.co.za](http://www.load-cell.co.za) • T +27 (0)12 386 3065 • E: [loadcells@richterscale.co.za](mailto:loadcells@richterscale.co.za)



- L6C load cells are available in the capacities 3kg~50kg.
- Aluminum construction with parallel beam.
- Silicon adhesive sealed, surface anodized and anti-corrosion.
- Integral structure and easy installation.
- Suitable for pricing scale, counting scale, electronic balance and other electronic weighing devices.

### Features

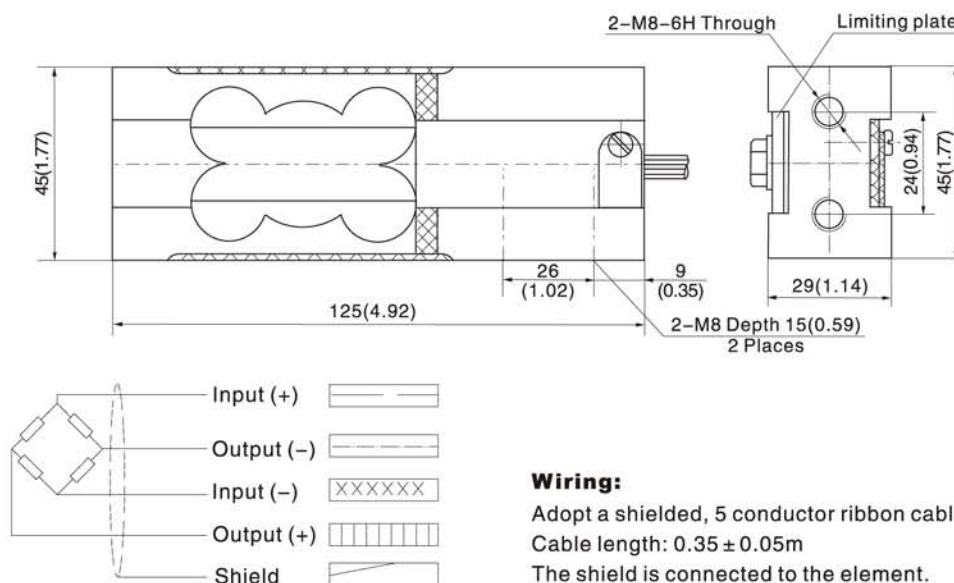
- Capacity: 3kg~50kg
- High accuracy
- Max. platform size: 450×450mm
- Installed screw request M8, 8.8 class, with oiled screw, torque 25Nm.



### Specifications

Capacity	kg	3/5/8/20/30/50		
Accuracy		C3D	C3	C3G
Approvals			OIML R60 C3	
Maximum number of verification intervals	n <sub>max</sub>	2500	3000	4000
Minimum load cell verification interval	v <sub>min</sub>	E <sub>max</sub> /5000	E <sub>max</sub> /7000	E <sub>max</sub> /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)		1.9 ± 0.2	
Input resistance	(Ω)		409 ± 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)



### Wiring:

Adopt a shielded, 5 conductor ribbon cable.  
Cable length: 0.35 ± 0.05m  
The shield is connected to the element.