

# 1250—Single Point Load Cell

## FEATURES

- Capacities 50—1500Kg
- Sealed to IP65.
- Accuracy 0.02% RO.

## APPLICATIONS

- Large platform scales.
- Hanging scales.
- Check weighing scales.



## DESCRIPTION

The SP-1250 is a single point load cell designed for direct mounting of large platforms up to 600 x 600mm.

A special humidity resistant protective coating assures long term stability over the entire compensated temperature range.

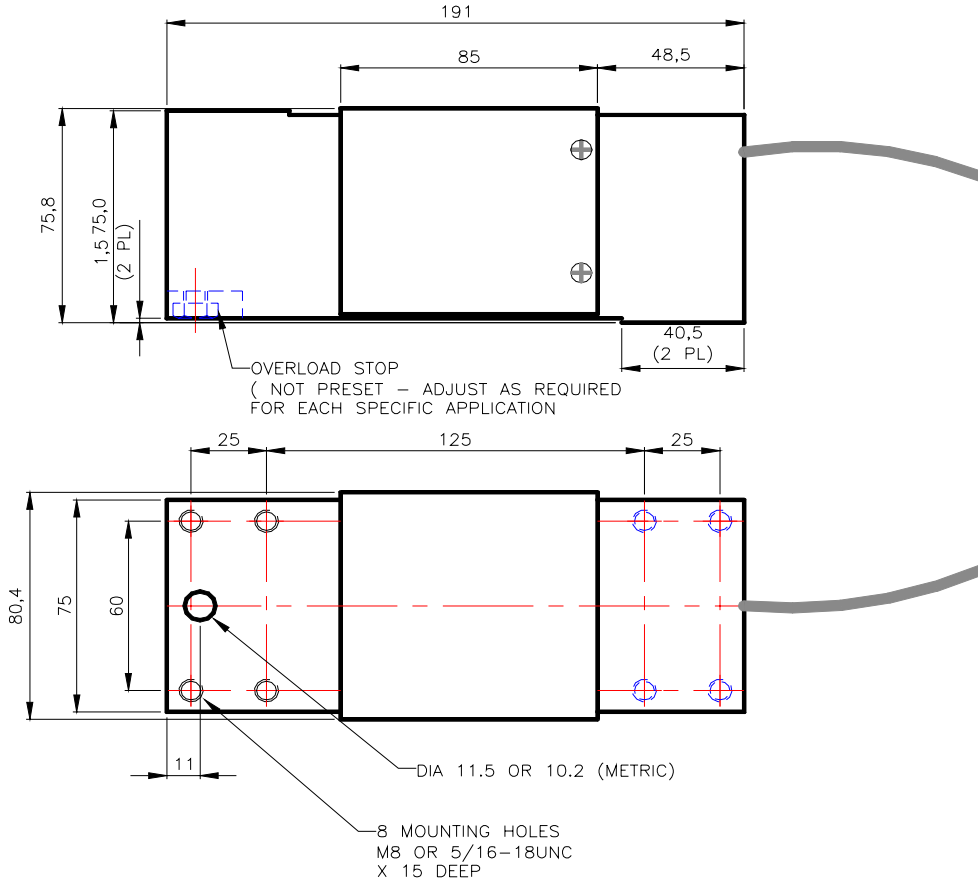
Optional IP67 sealing is available.

## TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0... 50, 75, 100, 150, 200, 250, 300, 500, 635, 750, 1000, 1500	kg
Rated Output	2.0 ±0.2	mV/V
Linearity & non repeatability	0.02	±% of Rated Output
Zero Return after 30 minutes	0.017	±% of Applied Load
Zero Balance	0.2	±mV/V
Temperature Range: Operating	-20 to +70	°C
Temperature Range: Compensated	-10 to +40	
Temperature Effect: On Output	0.001	±% of Rated Output/°C
Temperature Effect: On zero	0.0023	±% of Rated Load/°C
Safe Overload	150	% of Rated Capacity
Ultimate Overload	300	% of Rated Capacity
Excitation: Recommended	10	Volts AC or DC
Excitation: Maximum	15	
Input Impedance	415 nominal	ohm
Output Impedance	350 nominal	ohm
Insulation Resistance	>2	GΩ at 50VDC
Deflection at Rated Capacity	N/A	mm
Weight (approximate) :	N/A	kg
Construction	(Anodized Plate)Aluminium	
Environmental Protection	IP65	
Cable	3m 6 core screened	

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## OUTLINE DIMENSIONS in millimeters

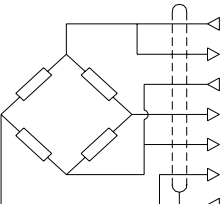


**NOTE: The recommended Torque Value up to 1000kg: 16.0 Nm. 1500kg: 32.0 Nm**

**Maximum platform size = 600 x 600mm**

NOTE: If the dimensions or specifications do not suit your application, PCM have an in-house design service that should satisfy your requirements.

### WIRING DETAIL

Dynamometer	OUTPUT	CABLE
	EXCITATION+ SENSE + EXCITATION - OUTPUT+ SENSE - OUTPUT- -----	Green Blue Black Red Brown White Shield*

### LOADING MODE

