

1040—Single Point Load Cell

FEATURES

- Capacities 5—100Kg
- Sealed to IP65.
- Accuracy 0.02% RO.



APPLICATIONS

- Bench scales.
- Counting scales.
- Grocery scales.
- Pharmaceutical scales.

DESCRIPTION

The SP-1040 is a low profile single point load cell designed for direct mounting of low cost weighing platforms.

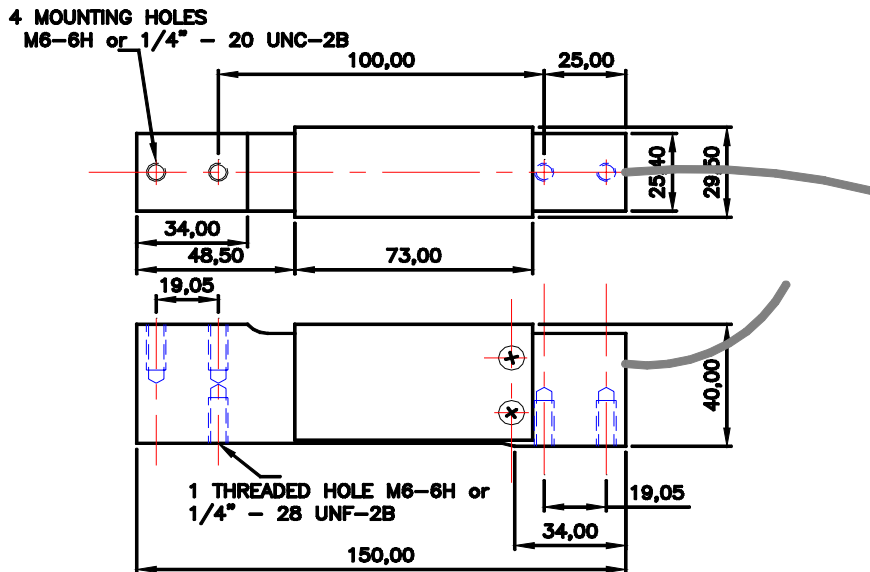
Its small physical size, combined with high accuracy and low cost makes this load cell ideally suited for retail, bench and counting scales. An optional specail humidity resistant protective coating assures long term stability over the entire compensated temperature range. Higher specification load cells are available upon request.

TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0... 5, 7, 10, 15, 20, 30, 50, 75, 100.	kg
Rated Output	2.0 ±0.2	mV/V
Linearity & non repeatability	0.05	±% of Rated Output
Zero Return after 30 minutes	0.03	±% 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	0.003	±% of Rated Output/°C
Temperature Effect: On zero	0.01	±% 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	1m 6 core screened	

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OUTLINE DIMENSIONS in millimeters

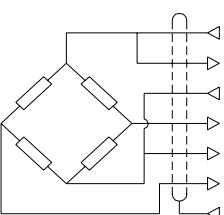


NOTE: The recommended Torque Value up to 30kg: 7.0 Nm. 50kg and above: 10.0 Nm

Maximum platform size = 400 x 400mm

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

