

1022—Single Point Load Cell

FEATURES

- Capacities 3—200Kg
- Sealed to IP66.
- Accuracy 0.02% RO.

APPLICATIONS

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



DESCRIPTION

The SP-1022 is a low profile single point load cell that is ideal for direct mounting in low cost weighing platforms.

The 1022 has a low profile height of only 22mm and the mounting configuration simplifies any scale construction.

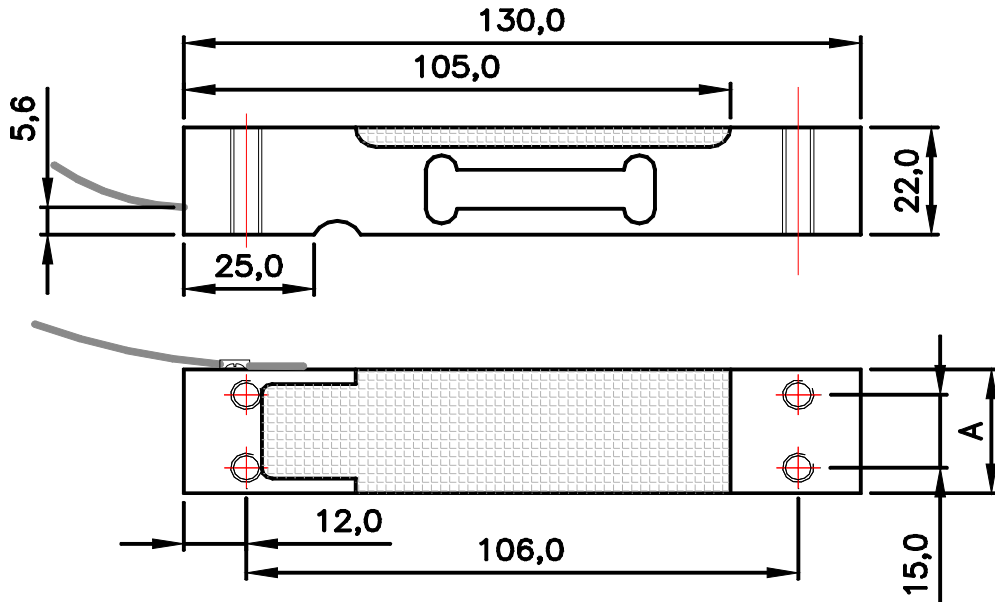
The maximum platform size is 350 x 350mm.

TYPICAL SPECIFICATION

PARAMETER	VALUE	UNITS
Capacities Range	0... 3, 5, 7, 10, 15, 20, 30, 35, 50, 100, 150, 200.	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	±% of Rated Output
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	250	% 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	Aluminium	
Environmental Protection	IP66	
Cable	0.5m 4 core screened	

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OUTLINE DIMENSIONS in millimeters



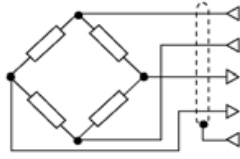
CAPACITY	A
3, 5, 7Kg	25.4
10, 15, 20, 30Kg	30.0
35 - 200Kg	40.0

NOTE: The recommended Torque Value up to 30kg: 7.0 Nm. 35kg and above: 10.0 Nm

Maximum platform size = 350 x 350mm

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+ EXCITATION - OUTPUT+ OUTPUT- -----	Green Black Red White Shield*

LOADING MODE

