

Model 1022

Single Point Load Cells



Features

- ◆ Capacities: 3 - 35 kg (6.61 - 77.16 lbs)
- ◆ Only 22mm (.09 inch) high
- ◆ Aluminum Construction
- ◆ Single point 350mm x 350mm (13.78 inch x 13.78 inch) platform
- ◆ IP66 protection
- ◆ OIML R60 (Cert. TC 2792) and NTEP (Cert. 96-122) approved
- ◆ Class I, II, III Division 1 - FM (Factory Mutual)
- ◆ EEx ia IIC T4 - PTB

Model 1022 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 aluminum construction, makes this load cell ideally suited for retail, bench and counting scales where savings in parts and labor due to simpler scale construction can be made.

Available in a range of capacities, from 3 to 35kg and approved to OIML, R60 (4000d) or NTEP 5000d, single). Environmental protection to IP66 is provided as standard.

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EXCELLENCE IN LOAD CELLS

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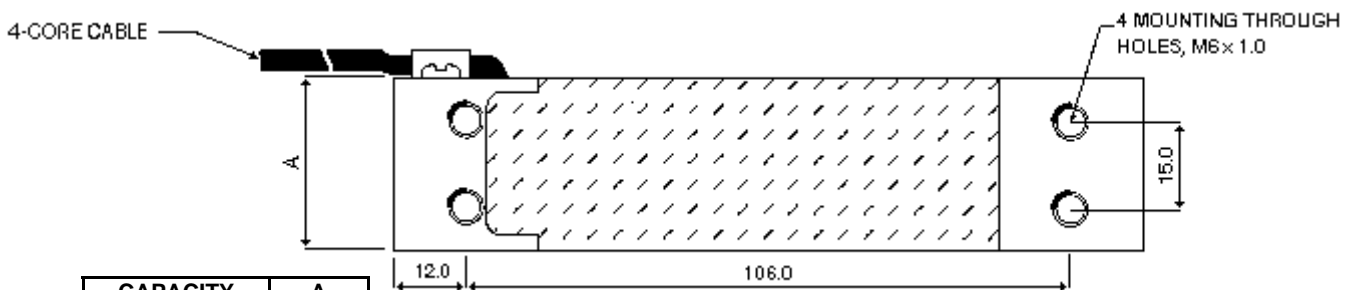
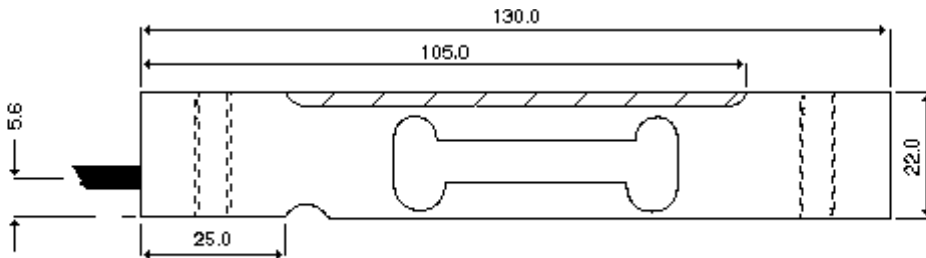
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Single Point Load Cells

GRADE	E	F	G**	C3***	UNITS
Rated Capacities	3, 5, 7, 10, 15, 20, 30, 35				kg
Rated Output	2.0 ± 10%				mV/V
Total Error*	0.0300	0.0200	0.0200	0.0200	±% of Applied Load
Zero Return after 30 mins	0.0500	0.0250	0.0170	0.0170	±% of Applied Load
Temperature Effect : On Output	0.0030	0.0014	0.0010	0.0010	±% of Applied Load / °C
Temperature Effect : On Zero	0.0100	0.0060	0.0040	0.0023	±% of Rated Output / °C
Eccentric Loading	0.0085	0.0085	0.0057	0.0057	±% of Applied Load / cm
Zero Balance	10.0				±% of Rated Output
Temperature range : Operating	-30 to +70				°C
Temperature range : Compensated	-10 to +40				°C
Safe Overload	150				% of Rated Capacity
Ultimate Overload	300				% of Rated Capacity
Excitation: Recommended	10				Volts AC or DC
Excitation: Maximum	15				Volts AC or DC
Input Impedance	415 ± 15				Ohms
Output Impedance	350 ± 3				Ohms
Insulation Impedance	>2000				Mega Ohms
Deflection at Rated Capacity	<0.4				mm
Weight	0.15				kg
Construction	Aluminum				
Environmental Protection	IP66				
Cable	0.5 Meter (Standard), 4 Wire, PVC, Single Floating Screen				
Approvals	OIML R60 (Certificate TC 2792) and NTEP (Certificate 96 - 122)				

* Total Error - According to OIML R60 ** 85% utilization standard *** 50% min utilization. Consult factory for other utilization factors. C4 Grade also available.

Outline Dimensions All Capacities (in mm)



CAPACITY	A
3, 5, 7 kg	25.4
10, 15, 20, 30 kg	30.0
35 kg	40.0

Wiring Schematic Diagram (unbalanced bridge configuration)

