

# Model 1022

## Single Point Load Cells



### Features

- Capacities: 3 - 100 kg (6.61 - 220 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. 4430(a) -03) 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 100kg and approved to OIML, R60 (4000d) or NTEP 5000d, single). Environmental protection to IP66 is provided as standard.



EXCELLENCE IN LOAD CELLS

**Europe**  
Tedeo-Huntleigh  
Europe Ltd.  
37 Portmanmoor  
Road  
Cardiff  
CF24 SHE

**International**  
Tedeo-Huntleigh Inter-  
national Ltd.  
5 Hozoran St.  
New Industrial Zone  
P.O. Box 8381, Netanya  
42506

**China**  
Beijing Tedeo-Huntleigh  
No. 16 Hong Da Bei Lu  
Da Xing County, Beijing  
Economic & Technology  
Development Area,  
Beijing 100176  
Tel: +86-10-67881604-

**Germany**  
Tedeo-Huntleigh  
GmbH.  
Mumlingweg 18  
D-64297  
Darmstadt-  
Eberstadt

**France**  
SEEA sa  
16 Rue Francis  
Vovelle  
28000 Chartres  
France

**Contact Info**  
E-mail  
sales@[tedea-huntleigh.com](mailto:sales@tedea-huntleigh.com)  
Website  
[www.tedeo-huntleigh.com](http://www.tedeo-huntleigh.com)  
  
20630 PLUMMER ST  
CHATSWORTH CA 91311USA  
  
TEL: 800.626.2616  
FAX: 818.701.2799

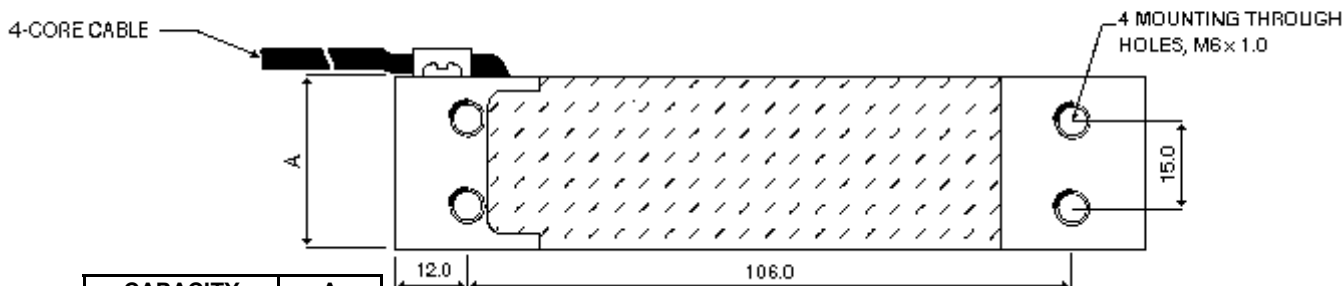
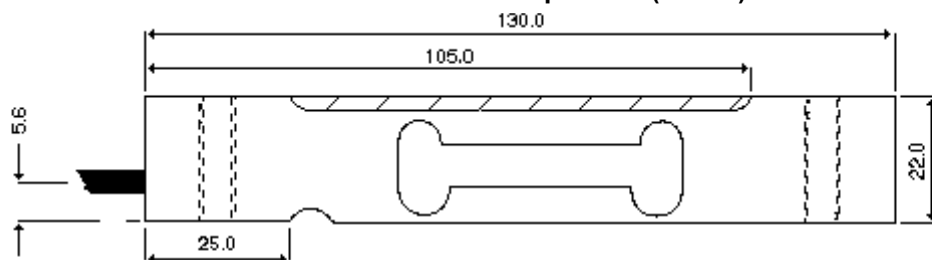
# Model 1022

## Single Point Load Cells

GRADE	E	F	G**	C3***	UNITS
Rated Capacities	3, 5, 7, 10, 15, 20, 30, 35, 50, 75, 100				kg
Rated Output	2.0 ± 10%				mV/V
Total Error*	0.0300	0.0200	0.0200	0.0200	±% of Rated Output
Zero Return after 30 mins	0.0500	0.0250	0.0170	0.0170	±% of Rated Output
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, 50, 75, 100 kg	40.0

### Wiring Schematic Diagram (unbalanced bridge configuration)

