

Model 1004

Single Point Load Cells

NEW!

Features



- Capacities: 0.3 kg - 3 kg
(0.6 lbs - 6 lbs)
- Aluminum construction
- Single point 200 mm x 200 mm
- IP66 protection
- Total error better than 0.0067% of rated output

Model 1004 is a very low capacity, very high precision single point load cell designed for direct mounting in low capacity scales and precision balances.

The unit is suitable for applications including jewelry scales, analytical balances, medical equipment, medical and pharmaceutical research and low level force measurement.

The model 1004 offers up to 30,000 divisions short term precision at stable room temperature. A special two-stage humidity resistant protective coating assures long term reliability.

An overload protection device should be included in the application design. A threaded hole is provided in the loading end of the load cell for this purpose.



EXCELLENCE IN LOAD CELLS

Contact Info

E-mail
sales@tedea-huntleigh.com
Website
www.tedea-huntleigh.com

677 ARROW GRAND CIRCLE
COVINA, CA 91722
USA

TEL: 800.626.2616
FAX: 626.332.3418

Europe

Tedea-Huntleigh
Europe Ltd.
37 Portmanmoor
Road
Cardiff
CF24 SHE

International

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

China

Beijing Tedea-Huntleigh
No. 16 Hong Da Bei Lu
Da Xing County, Beijing
Economic & Technology
Development Area,
Beijing 100176

Germany

Tedea-Huntleigh
GmbH.
Mumlingweg 18
D-64297
Darmstadt-
Eberstadt

France

SEEA sa
16 Rue Francis
Vovelle
28000 Chartres
France

Model 1004

Single Point Load Cells

GRADE	JW	UNITS
Rated Capacity	0.3, 0.6, 1.5, 3	kg
Rated Output	0.9 ±0.1	mV/V
Rated Output Tolerance	0.1	± mV/V
Zero Balance	0.04	± mV/V
Total Error (at constant room temperature)	0.0067	±% of Rated Output
Zero Return (creep) in 2 minutes	0.0033	±% of Applied Load
Temperature Effect: On Zero	0.004	±% of Rated Output/°C
Temperature Effect: On Output	0.002	±% of Applied Load/°C
Eccentric loading error	0.0033	±% of Load / cm
Maximum recommended platform size	20 by 20	cm
Temperature Effect: Compensated	+5 to +45	°C
Temperature Effect: Safe	-30 to +70	°C
Maximum Safe Static Overload (central loading)	150	% of Rated Capacity
Ultimate Static Overload (central loading)	250	% of Rated Capacity
Excitation: Recommended	10	VAC or VDC rms
Excitation: Maximum	15	VAC or VDC rms
Input Impedance	415 ± 20	Ohms
Output Impedance	350 ± 3	Ohms
Insulation Resistance	>2000	MegaOhms
Deflection of Rated Capacity (Central Loading)	<0.4	mm
Cable Length	0.4	m
Weight (nominal)	0.06	kg
Cable Type	0.4 m, 4-wire, 28 AWG, spiral shield, PVC jacket	
Color Code	+exc-grn, +sig-red -exc-blk, -sig-wht	
Construction	Aluminum	
Platform Size	200 x 200	mm
Compensation Circuit Type	Balanced	
Environmental Protection	IP66	
Outline Dimension Drawings	273.000.00-3	

Recommended bolt fixing torque **L 1.4nm (1.0 lbf.ft)**

Outline Dimensions All Capacities (in mm)

Wiring Schematic

