



Capacities 500-5000kg

Stainless steel construction

Hermetically sealed to IP68

For use in tension and compression

6 wire (sense) circuit

OIML R60 & NTEP approved

Hazardous area approved to EEx ia 11C T6 & FM

odel **620** is an advanced concept in providing the weighing industry with the ultimate protection necessary for today's hostile weighing environment. Its all welded sealing combined with high accuracy, make this load cell ideally suited for lever conversions, hopper/tanks and vibratory feeders, general process weighing and force

measurement applications. It is

divisions.

approved by OIML R60, up to 3000

Hermetically sealed against moisture, the construction of the model 620 combined with polyurethane dual shielded cable enables the load cell to function in harsh environments whilst maintaining its operating specifications.

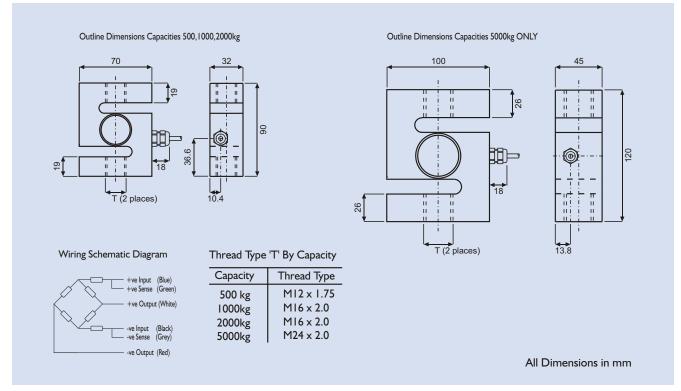
The two additional sense wires feed back the voltage reaching the load cell. Complete compensation of changes in lead resistance due to temperature change and/or cable extension, is achieved by feeding this voltage into the appropriate electronics.

620 SPECIFICATION

GRADE	Z	E	C3	UNITS
Rated Capacities**	500,1000, 2000, 5000			kg
Rated Output	2.2 ±10%	2.0±0.1%	2.0±0.1%	mV/V
Total Error*	0.075	0.050	0.020	±% of Applied Load
Zero Return after 30 mins	0.065	0.050	0.017	±% of Applied Load
Temperature Effect :On Output	0.0070	0.0040	0.0012	±% of Applied Load/°C
: On Zero	0.0150	0.0070	0.0023	±% of Rated Output/°C
Zero Balance	5.0	3.0	2.0	±% of Rated Output
Temperature range :Operating	-30 to +80			℃
:Compensated	-10 to +40			∞
Safe Overload	150			% of Rated Capacity
Ultimate Overload	300			% of Rated Capacity
Excitation : Recommended	10			Volts AC or DC
: Maximum	15			Volts AC or DC
Input Impedance	400±20			Ohms
Output Impedance	350±3			Ohms
Insulation Impedance	>1000			MegaOhms
Deflection at Rated Capacity	<0.4			mm
Weight : 500, 1000, & 2000kg	0.9			kg
: 5000kg	1.9			kg
Construction	Stainless Steel			
Environmental Protection	IP68			
Cable	5 Metres (Standard), 6 Wire, Polyurethane Jacket, Dual Floating Screen			

^{*}Total Error - According to OIML R60

^{**} C1 & C2 grades are also available 50% utilisation.



Due to Tedea-Huntleigh's policy of continuous development, these specifications are subject to change

Also available from Tedea-Huntleigh

Rod end bearings are available upon request. See the Tedea-Huntleigh Accessory catalogue for full details. The Tedea-Huntleigh range

Tedea-Huntleigh is the world's leading manufacturer of high quality, high accuracy load cells in volume production. Our manufacturing facilities are ISO 9000 registered.

For further details please contact Tedea-Huntleigh or your local distributor, or visit our website at:

http://www.tedea-huntleigh.com

Tedea-Huntleigh Europe Ltd. 37 Portmanmoor Road, Cardiff CF24 5HE United Kingdom. Tel:+44(0)29-20460231 Fax: +44(0)29-20462173 Fax: +972-9-863-8800

International

Tedea-Huntleigh International 5 Hazoran St, New Industrial Zone P.O. Box 8381, Netanya 42506, Israel. Tel: +972-9-863-8888

China

Beijing Tedea-Huntleigh. No. 16 Hong Da Bei Lu, Da Xing County, Beijing Economic & Technology Development Area, Beijing 100176. China Tel:+86-10-67881604~09 Tel:+49-6151-94460 Fax: +86-10-67881576

Tedea-Huntleigh GmbH. Mümlingweg 18 D-64297 Darmstadt-Eberstadt, Germany.

Germany

Fax:+49-6151-944640

USA

Tedea-Huntleigh Incorporated. 20630 Plummer Street, Chatsworth. CA 91311 U.S.A.

EXCELLENCE IN LOAD CELL

France SEEA sa. 16 Rue Francis Vovelle 28000 Chartres, France.

Tel: + I-818-701-2700 Tel: +33-2-37-33-31-20 Fax:+I-8I8-70I-2799 Fax:+33-2-37-33-3I-29