



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 IIC
T6 & FM

Model **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 approved by OIML R60, up to 3000 divisions.

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

Model 620 Stainless Steel 'S' type load cell

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			°C
: Compensated	-10 to +40			°C
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.

Outline Dimensions Capacities 500, 1000, 2000kg

Outline Dimensions Capacities 5000kg ONLY

Wiring Schematic Diagram

Thread Type 'T' By Capacity

Capacity	Thread Type
500 kg	M12 x 1.75
1000kg	M16 x 2.0
2000kg	M16 x 2.0
5000kg	M24 x 2.0

All Dimensions in mm

Due to Tedeá-Huntleigh's policy of continuous development, these specifications are subject to change without notice.

Also available from Tedeá-Huntleigh

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

The Tedeá-Huntleigh range

Tedeá-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 Tedeá-Huntleigh or your local distributor, or visit our website at:

<http://www.tedeá-huntleigh.com>



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