



Capacities 5-500kg

Stainless steel
construction

Industry standard size
and shape

Hostile environment
capability

Hazardous area
approved to EEx ia IIC
T6 & FM

OIML R60 and NTEP
approved

Hermetically sealed to
IP68

6 wire (sense) circuit

Model **355** is a welded bending beam load cell manufactured in stainless steel. Hermetically sealed against moisture the model 355 construction and polyurethane shielded cable enables the load cell to function in harsh environments while maintaining its operating specifications.

The low profile, high accuracy and sealing makes this load cell highly suitable for applications such as low profile platforms, weighing and packing machines, conversion of mechanical scales and a variety of other applications where sealed cells are required. For hazardous environments this load cell is available with EEx ia IIC T6 level of European approval as an option.

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

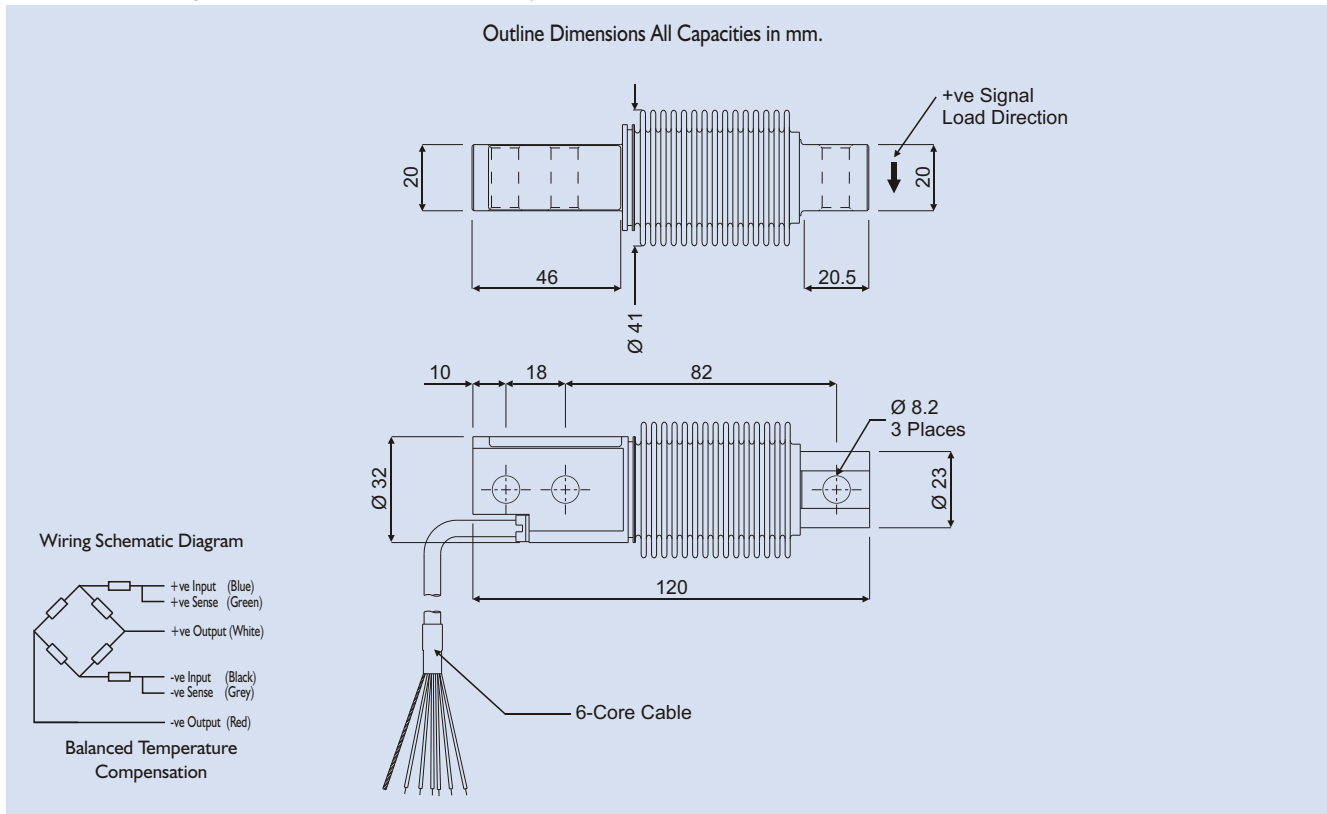
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Model 355 welded, hermetically sealed load cell

355 SPECIFICATION

GRADE	E	C2/15	C3**	C4**	UNITS
Rated Capacities	5, 10, 20, 30, 50, 100, 200, 250, 500.				kg
Rated Output	2.0 ± 0.1%				mV/V
Total Error*	0.050	0.030	0.020	0.015	±% of Applied Load
Zero Return after 30 mins	0.050	0.025	0.017	0.013	±% of Applied Load
Temperature Effect : On Output	0.004	0.0017	0.0010	0.0008	±% of Applied Load / °C
: On Zero	0.007	0.0011	0.0014	0.0011	±% of Rated Output / °C
Zero Balance	3	2			±% 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	380 ± 10				Ohms
Output Impedance	350 + 10/-3				Ohms
Insulation Impedance	>2000				MegaOhms
Deflection at Rated Capacity	<0.4				mm
Weight : All Types	0.35				kg
Construction	Stainless Steel				
Environmental Protection	IP68				
Cable	3 metre (Standard), 6 Wire, Polyurethane Jacket, Dual Floating Screen				

*Total Error - According to OIML R60 Grade C1 available on request. ** 30% utilisation - other utilisation factors available.



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

Also available from Tede-Huntleigh

Accessories include Cellmates for vessel weighing, Shock Mounts to minimise vibration and Ball-in-cup providing a flexible pivot.

Tede-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 details of our complete range which covers 1 kg to 100 tonnes, contact us or your local distributor or visit our website at: <http://www.tede-huntleigh.com>



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