

NEW PHOTOGRAPH REQUIRED

Capacities 100, 250,
500 kg

Stainless steel
construction

Single point 600 x
600mm platform

Fully welded, providing
IP68 protection

6 Wire (sense) circuit

NTEP and OIML R60
approved

Hazardous area approved
to FM & EEx ia IIC T6

Model 1510 is a high accuracy single point load cell ideally suited to industrial

applications which undergo regular washdown, typically platforms, wall scales and other process weighing applications in the food industry.

Hermetically sealed against moisture, the all welded construction of the model 1510 in combination with a polyurethane dual shielded cable, enables continuous operation in harsh environments whilst maintaining a high operating specification.

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.

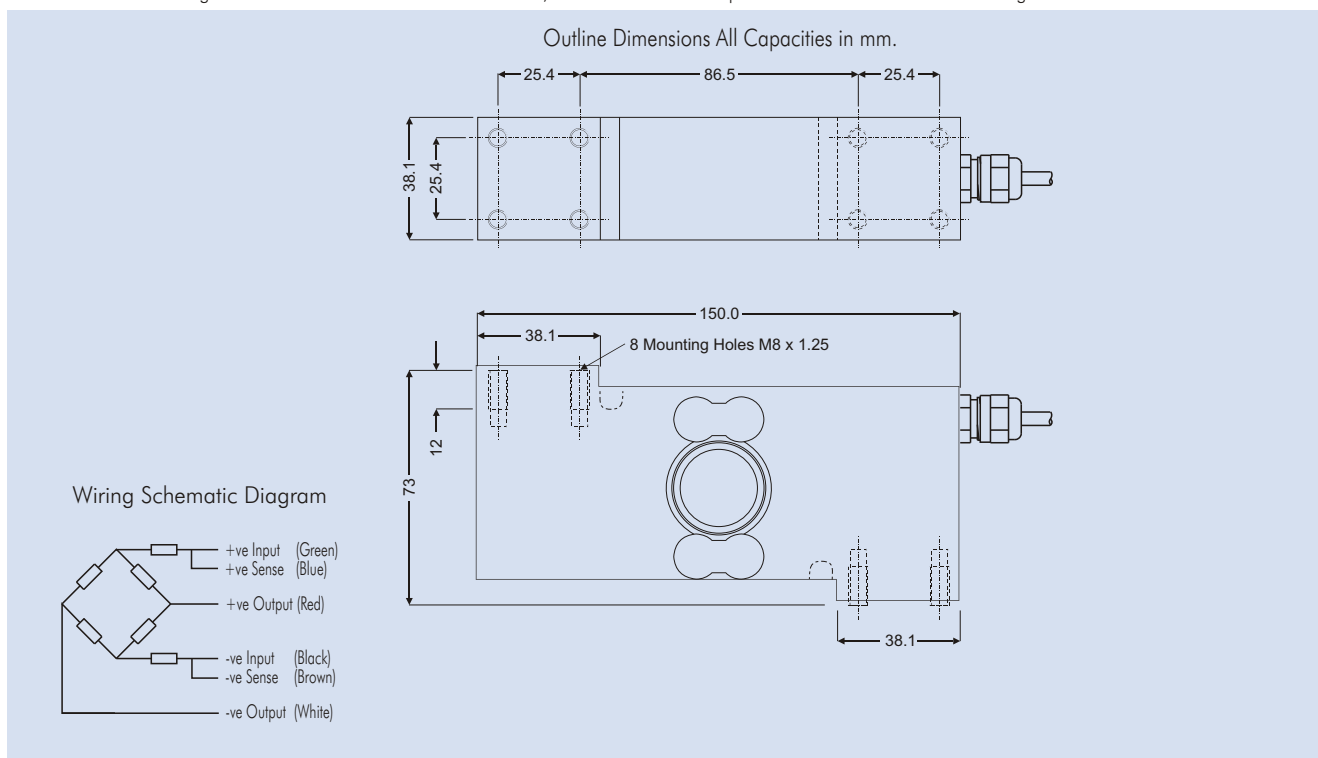
1510

Model 1510 Hermetically sealed single point load cell.

1510 SPECIFICATION

GRADE	E	C3**	UNITS
Rated Capacities	100, 250, 500		kg
Rated Output	2.0 ± 10%		mV/V
Total Error*	0.030	0.020	±% of Rated Output
Zero Return after 30 mins	0.050	0.017	±% of Applied Load
Temperature Effect : On Output : On Zero	0.0030 0.0100	0.0011 0.0023	±% of Applied Load/°C Rated Output/°C
Eccentric Loading	0.005	0.0016	±% of Applied Load/cm
Zero Balance	10.0		±% of Rated Output
Temperature range : Operating : Compensated	-30 to +70 -10 to +40		°C °C
Safe Overload	150		% of Rated Capacity
Ultimate Overload	200		% of Rated Capacity
Excitation : Recommended : Maximum	10 15		Volts AC or DC Volts AC or DC
Input Impedance	380±10		Ohms
Output Impedance	350±3		Ohms
Insulation Impedance	> 1000		MegaOhms
Deflection at Rated Capacity	<0.4		mm
Weight : (including cable)	2.4		kg
Construction	Stainless Steel		
Environmental Protection	IP68		
Cable	3 Metre (Standard), 6 Wire, Polyurethane Jacket, Dual Floating Screen		
Platform	600 x 600 mm		

*Total Error - According to OIML R60 ** Standard utilisation 50%, alternative utilisation options available down to 25%. C4 grade available.



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

The TEDEA-HUNTLEIGH Range

Tede-Huntleigh is the world's leading manufacturer of high quality, high accuracy load cells in volume production. All 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:

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