TEDEA HUNTLEIGH
EXCELLENCE IN LOAD CELLS

3510

Model 3510 Stainless steel shear beam load cell

- Capacities 300 - 5000 kg
- Stainless steel construction
- Fully welded protection, to IP68
- Low profile industry standard
- Hazardous environments EEx ia IIC T6 and FM options
- NTEP and OIML R60 approved
- 6 wire (sense) circuit
- Current matched versions available

Model **3510** provides the weighing industry with the ultimate protection necessary for today's hostile environments in an economical low profile range suitable for platform scale manufacture.

Its low profile and all welded sealing combined with high accuracy makes this load cell ideally suited for low profile platforms, pallet truck weighers, tanks and silos. The guide slots incorporated into the upper and lower mounting faces enable manufacturers to easily position the load cell.

Hermetically sealed against moisture, the construction of the model 3510 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.

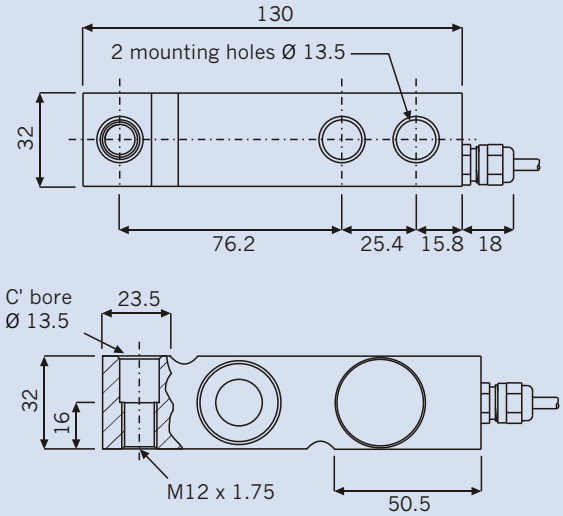
DS 3510-6, 05.01

3510 SPECIFICATION

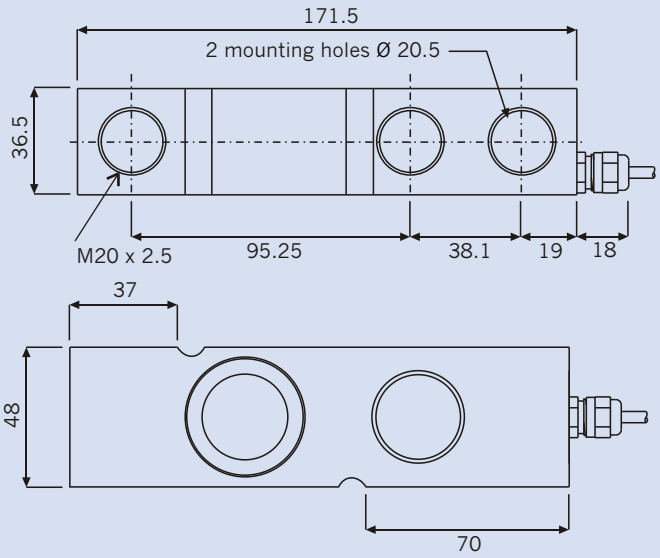
GRADE	E	F	C3**	C6***	UNITS
Rated Capacities	300, 500,1000, 2000, 5000				kg
Rated Output	2.0 ± 0.1%				mV/V
Total Error*	0.0500	0.030	0.020	0.0120	±% of Rated Output
Zero Return after 30 mins	0.0500	0.025	0.0170	0.0083	±% of Applied Load
Zero Balance	3.0	2.0	2.0	2.0	±% of Rated Output
Temperature range : Operating	-30°C to 80°C				°C
: Compensated	-10°C to +40°C				°C
Temperature Effect :On Output	0.004	0.0014	0.0012	0.0006	% of Applied Load/ °C
:On Zero	0.007	0.0035	0.0011	0.0007	% of Rated Output / °C
Safe Overload	150				% of Rated Capacity
Ultimate Overload	300				% of Rated Capacity
Excitation : Recommended	10				
: Maximum	15				Volts AC or DC.
Input Impedance****	380 ± 10				Ohms
Output Impedance****	350 ± 3 (T-end version 375 ± 25)				Ohms
Insulation Impedance	>1000				Megaohms
Deflection at Rated Capacity	<0.4				mm
Weight : 300, 500, 1000, 2000 kg	0.9				kg
5000 kg	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 **Standard utilisation 25% Other utilisation factors available on request. ***C6 available up to 1000 kg
****1000 Ohms versions available.

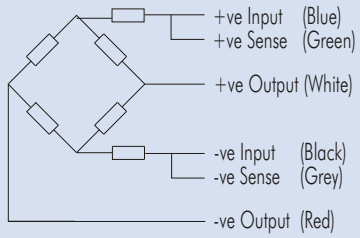
Dimensions for capacities 300, 500, 1000, & 2000kg



Dimensions for capacity 5000kg only



Wiring Schematic Diagram



Loading Hole options include:

1. Standard half plain and half metric threaded, (except 5000 kg = plain)
2. "T-End" - Supplied current matched for platforms (for compatible mounting foot).
3. Metric - Fully threaded.

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

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 details of our complete range which covers 300g to 100 tonnes, contact us or your local distributor or visit our website at:

http://www.tedea-huntleigh.com

TEDEA HUNTLEIGH
EXCELLENCE IN LOAD CELLS

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

International
Tedea-Huntleigh International
5 Hazoran St,
New Industrial Zone
P.O. Box 8381, Netanya 42506,
Israel.
Tel: +972-9-863-8888
Fax: +972-9-863-8800

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
Fax: +86-10-67881576

Germany
Tedea-Huntleigh GmbH.
Mümlingweg 18
D-64297
Darmstadt-Eberstadt,
Germany.
Tel: +49-6151-94460
Fax: +49-6151-944640

USA
Tedea-Huntleigh Incorporated.
20630 Plummer Street,
Chatsworth,
CA 91311
U.S.A.
Tel: +1-818-701-2700
Fax: +1-818-701-2799

France
SEEA sa.
16 Rue Francis Vovelle
28000 Chartres,
France.
Tel: +33-2-37-33-31-20
Fax: +33-2-37-33-31-29