MODEL 20710 CRANE LOAD CELL

Description

Ultra Precision Strain Gage based 20710 Crane Load Cell is versatile, compact and rugged. It is used for tension measurements, Crane weighing. It is used in tension mode only.
Tension Loading can be done with Dee / Bow Shackle & Threaded Hook. It is available in 10Tf to 60 Tf capacities.

Features

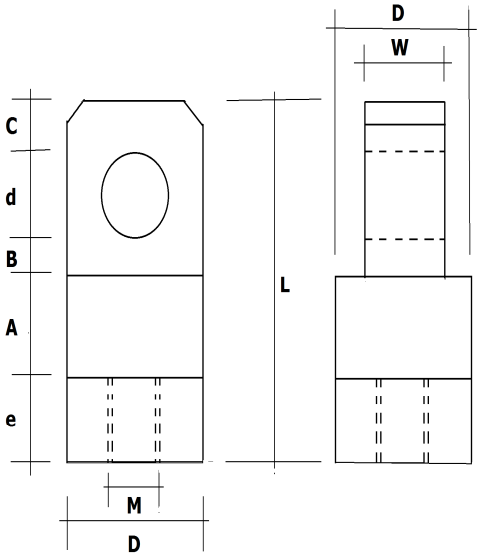
→ 10, 20, 45, 60 TF Capacities available.
→ High Alloy Tool Steel construction for resistance against shock and overload.
→ It can be used with swiveling hook at load end.
→ It is light weight and portable.
→ High Temperature version for foundry applications is available upon request.
→ Can be designed to fit your dimensional needs.

Applications

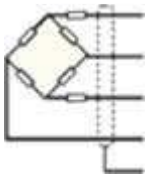
→ To measure rope tension by inserting as a link in to the line.
→ To measure towing force of the vehicles and Ships.
→ Force Measurement Tension Dynamometer.
→ Hanging & Crane Scale.
→ Material handling equipments.
→ Cargo handling in Ship Yards.

Performance Specification

Standard Capacities	10, 20, 45, 60 TF.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.0 m V/ V
Non - Linearity	< ±0.15% FSO
Hysteresis	< ±0.03% FSO
Non-Repeatability	< ±0.02% FSO
Creep (30 minutes)	< ±0.04% FSO
Zero Balance	±1.0% FSO
Input Resistance	780 ± 15 Ohms
Output Resistance	700 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	10 Mtrs
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Allowable Side Load	50%
Temp. Compensated Range	0-60 ^{0}C
Temperature Effect on Output	< 0.0015% FSO/ ^{0}C
Temperature Effect on Zero	< 0.0020% FSO/ ^{0}C
Deflection	< 0.4 mm at FSO
Finish & Construction	Electroless Nickel Plated Tool Steel
Environmental Protection Class	Meets to IP65 class of protection



Electrical Termination



+Input Red
+Output Green
-Input Black
-Output White
Shield

CAPACITY TF	A	B	C	d	D	L	M	W	e
10	60	30	25	42	78	197	30 X 2	58	40
20	65	30	30	42	88	217	42 X 2	58	50
45	70	40	40	58	115	298	64 X 4	80	90
60	90	45	45	72	148	352	76 X 4	102	100

Specification are subject to be changed. ALL DIMENSIONS ARE IN MM

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