

**Description**

Ultra Precision Strain Gage based 20410 Crane Load Cell is versatile, compact and rugged. It is used for tension measurements, Crane weighing. It can be used in tension mode only. Tension loading can be applied through Dee / Bow Shackles. It can be availed in 5 Tf to 200 Tf capacities.

**User has to provide the required dimensions and capacity as per requirements.**

**Features**

- 5, 10, 15, 30, 50, 75, 100, 150, 200 TF Capacities can be availed.
- High Alloy Tool Steel construction for resistance against shock and overload.
- It is light weight and portable.
- High Temperature version for foundry applications is available upon request.
- Will be designed to fit your dimensional needs.

**Applications**

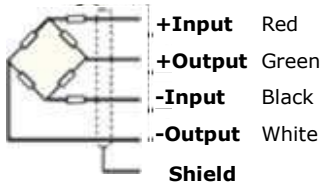
- To measure rope tension by inserting as a link in to the line.
- To measure towing force of the vehicles and Ships.
- Force Measurement Tension Dynamometer.
- Hanging & Crane Scale.
- Material handling equipment's.
- Cargo handling in Ship Yards.

**Performance Specification**

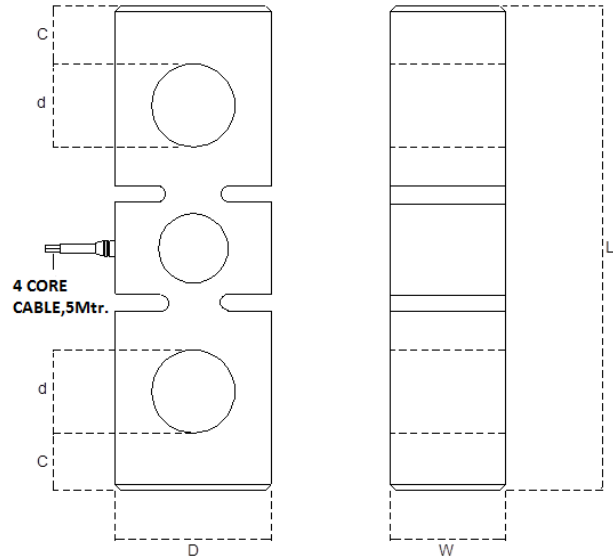
Standard Capacities	5, 10, 15, 30, 50, 75, 100, 150, 200 TF.
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.0 m V/ V
Non - Linearity	< ±0.05% FSO
Hysteresis	< ±0.03% FSO
Non-Repeatability	< ±0.02% FSO
Creep (30 minutes)	< ±0.04% FSO
Zero Balance	±1.0% FSO
Input Resistance	775 ± 15 Ohms
Output Resistance	700 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Allowable Side Load	50%
Temp. Compensated Range	0-60°C
Temperature Effect on Output	< 0.0015% FSO/ °C
Temperature Effect on Zero	< 0.0020% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Electro less Nickel Plated Tool Steel
Environmental Protection Class	IP65



**Electrical Termination**



Capacity – Tf.	d	W	D	L	C
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**Specification are subject to change All dimensions will be in mm.**



Manufactured by:  
**ADI ARTECH**  
**TRANSDUCERS PVT. LTD.**  
 A Joint venture with  
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