

**Description**

Ultra Precision Strain Gage based 20410-Flat Link Load Cell is versatile, compact and rugged. It is constructed from tool steel for harsh industrial applications. It is used for **tension & compression measurements**, Crane weighing. Tension loading can be applied through Dee / Bow Shackles and compression loading through pins. It can be availed in 2 Tf. to 500 Tf. capacities. Higher capacity and customized version is offered on request.

**Features**

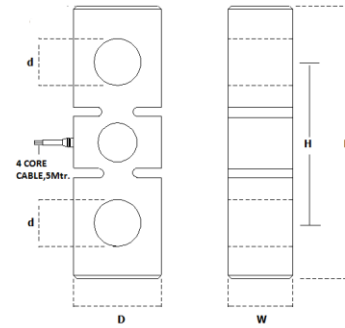
- 0-2 to 0-500Tf. Capacities can be provided.
- High Alloy Tool Steel construction for resistance against shock and overload.
- Light weight and portable. →**Can be supplied with RF telemetry system.**
- High Temperature version for foundry applications is available upon request.

**Applications**

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

**Performance Specification**

Standard Capacities-Tf.	2,3,5,10,15,20,30,50,80,100,150,200,300,500
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	2.0 m V/ V
Non - Linearity	< ±0.15% FSO
Hysteresis	< ±0.3% FSO
Non-Repeatability	< ±0.1% FSO
Creep (30 minutes)	< ±0.1% FSO
Zero Balance	±1.0% FSO
Input Resistance	370/775 ± 15 Ohms
Output Resistance	350/700 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	200%
Temp. Compensated Range	10-50°C
Temperature Effect on Output	< 0.05% FSO/ °C
Temperature Effect on Zero	< 0.05% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Electro less Nickel Plated Tool Steel
Environmental Protection Class	Will meet to IP65

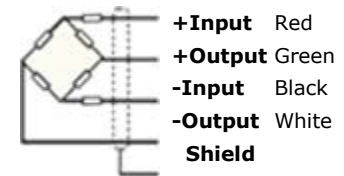


Cap. Tf.	d	W	D	L	H	Recommended Shackle
2,3,5	23	26	48	150	103.5	3.25T,4.75T-SL-2130/209
10	36	48	63	200	136	12T-SL-2130/209
15	42	58	78	240	158	17T-SL-2130/209
20, 30	59	80	100	280	172	25T, 35T-SL-2130
50	72	102	130	370	227	55T-SL-2130
80	84	124	153	420	263	85T-SL-2130
100	100	130	184	510	315	120T-SL-2130
150	112	135	210	595	370	150T-SL-2130, 175T-G-2140
200	106	145	210	595	370	200T-G-2160
300	135	180	260	795	490	CB-250t-G-2140,300T-G-2140E, 300T-G-2160
500	188	240	450	930	450	CB-2160-500T

**Options**

- ❖ Mounting Accessories ❖ Dual Bridge ❖ Compatible Instrument - 4-20 mA / 0-2 Volt Output
- ❖ Digital Version with RS-485 interface ❖ Blue Tooth Telemetry ❖ Wireless Telemetry
- ❖ Compatible Instrument ❖ Software for Graphic, Tabulation, Analysis and Reporting

**Electrical Termination**



Specification are subject to change.

All dimensions are in mm.

Cable – 4 core, 5Meters.

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