

**Description**

**70510 Pin Load Cell** is **CE Certified** strain gage based and is used where pins or large bolts would generally be carrying the load. Typically this will include shackle pin, clevis pins & pulley shafts. This is constructed from heat treated stainless steel, suitable for food industries & harsh corrosive environment. Load pin is Double Ended Shear Beam Type load cell which is provided with slot for keeper plate for load directions, anti-rotations & retaining purposes. **Digital Version is also offered, equipped with Fully Embedded electronics with RS485 communication capability for easy interface over long distance without signal loss.**

**Features**

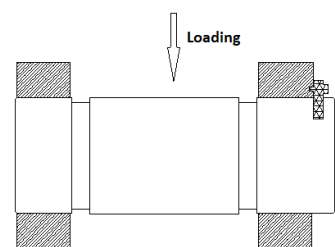
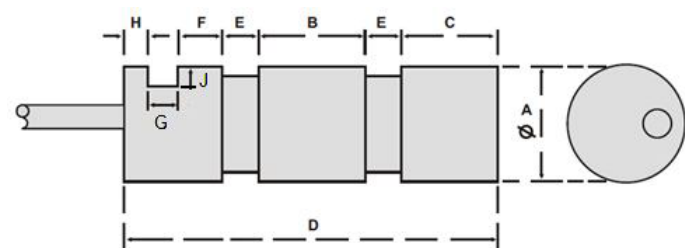
- ❖ **CE Rated** ❖ Available in capacities of 0 - 0.5 to 0 - 400 Tf.
- ❖ Meets complete environment protection IP 65 class.
- ❖ Standard 1 mv/v output sensitivity is available.

**Applications**

- ❖ Elevator, Hoist & Crane Load monitor
- ❖ Tow bar Connection
- ❖ Rope/Cable tension measurement by inserting as D-Shackle pin
- ❖ Front end Loader
- ❖ Rail road coupling ❖ Process & Automation

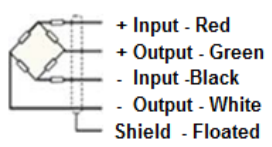
**Performance Specification**

Standard Capacities(Tf.)	0.5,1,2,3,5,10,20,30,50,,75,100,150, 200,300,400
Excitation Voltage	10 VDC - Maximum 15VDC
Nominal Output	IMV/V
Non - Linearity	< ±0.5% FSO (Full Scale Output)
Hysteresis	< ±0.3% FSO
Non-Repeatability	< ±0.2% FSO
Creep (30 minutes)	< ±0.1% FSO
Zero Balance	±1.0% FSO
Input Resistance	390 +/-5 / 770 +/- 20 Ohms
Output Resistance	350 +/- 2 / 700+/- 5 Ohms
Insulation Resistance(50VDC)	≥1000 Meg Ohms
Safe Overload of Rated Capacity	150% of Rated Capacity
Ultimate Overload of Rated Capacity	250% of Rated Capacity
Temp. Compensated Range	0-60 °C
Temperature Effect on Output	< 0.005% FSO/ °C
Temperature Effect on Zero	< 0.005% FSO/ °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Stainless Steel 17-4 ph Sensing element
Environmental Protection Class	IP 65



Capacity Tf	A	B	C	D	E	F	G	H	J
0.5,1,2	25	23	21	81	8	9.5	6.5	5	4.5
3,5	35	37	26.5	110	10	13	6.5	7	6
10	50	52	38.5	157	14	20	8.5	10	7
20	65	72	42	192	18	23.5	8.5	10	9.5
30	75	82	53.5	225	18	31	10.5	12	10.5
50	85	97	61.5	260	20	39	10.5	12	12
75,100	100	102.5	78	328	35	55	10.5	12	14
150, 200	120	144	95	429	40	75	15	20	15
300	150	168	120	521	45	98	20	25	17.5
400	177	160	160	615	50	140	25	30	20

**Electrical Termination**



**Options**

- \* Compatible Instruments with Relay output,4-20 mA or 0-2 Volt Output
- \* Digital Version with RS-485 interface / USB output / Blue Tooth Telemetry / Wireless Telemetry
- \* Software for Graphic, Tabulation, Reporting and Analysis

**Cable - 4 core 5 Meters.**

Specification are subject to change.

All dimensions are in mm.

	<p>Made in <b>INDIA</b> by:</p> <p><b>ADI ARTECH</b>  <b>TRANSDUCERS PVT. LTD.</b>                  (An ISO 9001:2015 Certified Company)</p>	<p>917/1, G.I.D.C. Estate, Makarpura, Vadodara - 390 010, Gujarat, INDIA  <b>Mobile</b> : +91-9374068998, 9879444551, 9054467370  <b>Email</b> : sales@adiartech.com, adiartech@adiartech.com  <b>Website</b> : www.adiartech.com</p>
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