

Description

20210 is **CE Certified** precision universal type Load Cell useful in Hanging type weighing, Universal testing, Process & machine automation and In line tension measurement. It is constructed from high tensile tools steel for ruggedness and harsh industrial applications. Its design is strain gage based with full temperature compensation over 10 to 50°C range.

Features

- ❖ 20 kgf to 30 Tf. Capacities available. ❖ **CE Rated**
- ❖ Tool Steel constructions for resistance against shock and overload.
- ❖ Complete Environmental Protection –Meets IP 67 class.
- ❖ Standardized output (3.0 ± 0.25%) available on request.
- ❖ Can be customized to suit customer’s requirements.
- ❖ High Temperature version can be provided on request.

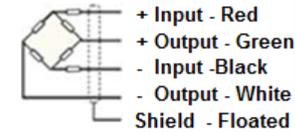
Applications

- ❖ Conversion of Mechanical Scale to Electronic.
- ❖ Tank, Hopper & Bag Weighing.
- ❖ Force Measurement, Tension & or Compression Dynamometer.
- ❖ Hanging & Crane Scale.
- ❖ Industrial Automation.
- ❖ Line tension measurement.
- ❖ Process & machine automations.
- ❖ Robotics.
- ❖ Material Strain Test of Filaments, Polymers & Elastomers
- ❖ Shore Hardness Test
- ❖ Structural test in Automotive Systems, Components & Parts

Performance Specification

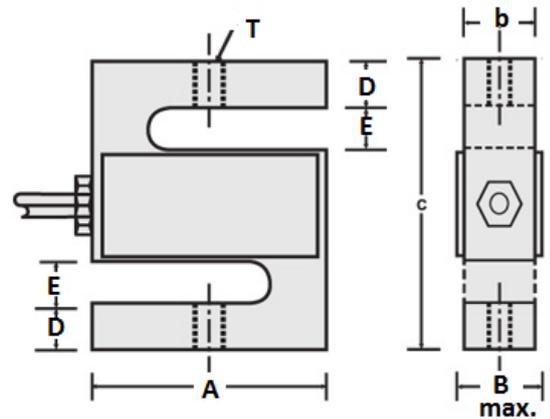
Standard Capacities	See table below
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	3.0 m V/ V
Non - Linearity	< ±0.025% FSO
Hysteresis	< ±0.02% FSO
Non-Repeatability	< ±0.01% FSO
Creep (30 minutes)	< ±0.03% FSO
Zero Balance	±1.0% FSO
Input Resistance	392 ± 15 Ohms
Output Resistance	350 ± 3 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	250%
Allowable Side Load	50%
Temp. Compensated Range	10-50 °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	Tool Steel – Electro less Nickle plated
Environmental Protection Class	Meets IP 67

Electrical Termination

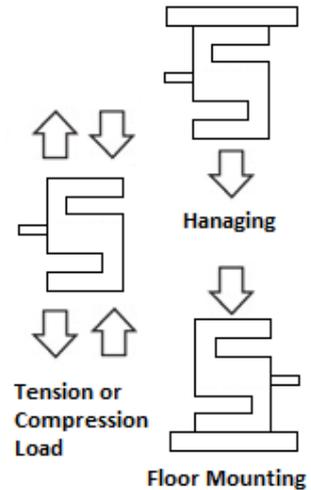


Options

- * Supportive Hardware such as :
Eye Bolt, Threaded loading Button, Threaded base plate
- * Dual Bridge Output
- * 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 & Analysis
- * Customization with customers dimensions



Loading Directions



Tension Positive

CAPACITY	A	B (max)	b	C	T	D	E	Torque Kg.M.	Cable Mtrs
20, 30, 50, 75, 100Kgf.	50	20	12.5	62	M6 X 1.00	10	9	0.25	3
150, 200, 300, 500, 750Kgf., 1Tf.	50	25	19	62	M12 X 1.25	10	9	0.50	3
1.5, 2, 2.5, 3Tf	75	38	27	100	M20 X 1.50	17	9	2.00	3
5, 7.5Tf.	90	40	32	140	M24 X 2.00	25	9	9.00	5
10Tf.	112	52	45	175	M30 X 2.00	40	13	10.00	5
15, 20Tf.	150	72	65	250	M36 X 3.00	60	13	12.00	5
30Tf.	140	75	72	250	M39 X 2.00	85	13	15.00	5

Specifications are subject to change.

All dimensions are in mm.

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