

Description

20210-AL is **CE Rated** strain gage based force sensor constructed from Aluminum alloy. It is provided with full temperature compensation over 10 TO 50°C. It is compact and light weight and easy to install. This is applied to hand held force gages, hanging scales and controlled feed systems.

Features

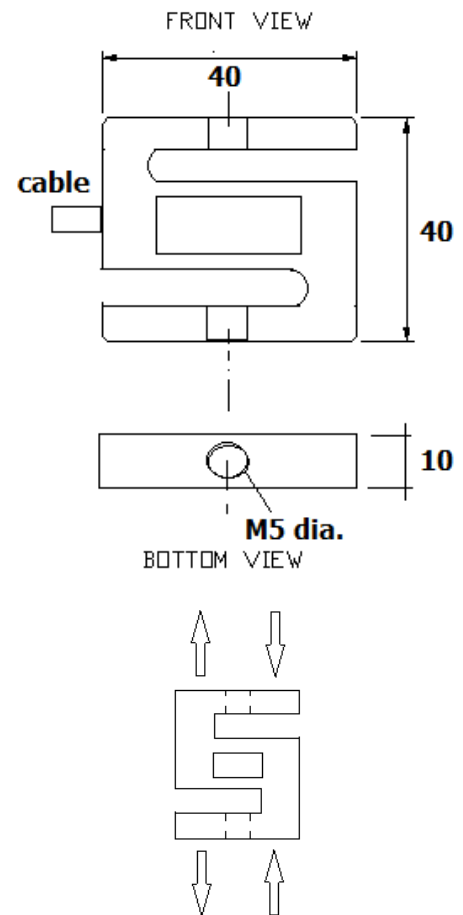
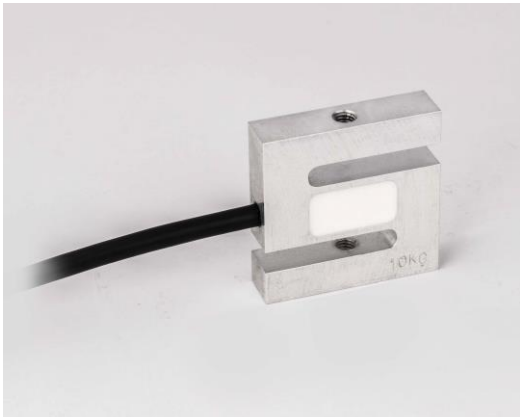
- ❖ 1, 2, 3, 5, 10, 15 Kgf. capacities offered
- ❖ Complete environmental protection – IP 65 class for gage area
- ❖ Other capacity available on request

Applications

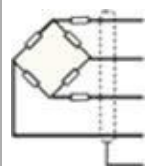
- ❖ Hand held force gages ❖ **CE Certified**
- ❖ Medical instrumentations
- ❖ Controlled feed systems
- ❖ Test equipment
- ❖ Thread tension control in textile industry
- ❖ Spring Testing machine

Performance Specification

Standard Capacities	1, 2, 3, 5, 10, 15 Kgf
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.5 to 2.0 m V/ V
Non - Linearity	< ± 0.2% FSO (Full Scale Output)
Non – Repeatability	< ± 0.1% FSO
Creep (30 minutes)	< ± 0.03% FSO
Zero Balance	± 1.0% FSO
Input Resistance	375 Ohms
Output Resistance	350 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Safe Overload of Rated Capacity	150%
Cable Length (4 Core Screened)	1 Mtr.
Temp. Compensated Range	10 - 50 °C
Temperature Effect on Output	< 0.04% FSO/ °C
Temperature Effect on Zero	< 0.04% FSO/ °C
Deflection	< 0.5 mm at FSO
Finish & Construction	Aluminum Alloy
Environmental Protection Class	IP 65



Electrical Termination

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

Options

- * Supportive Hardware such as :
Eye Bolt, Threaded loading Button
- * 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

Specification 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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