

Description

20210-AL is 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

- ❖ 5 , 10 , 15 , 20 Kgf. capacities offered
- ❖ Complete environmental protection – IP 65 class for gage area
- ❖ Other capacity available on request

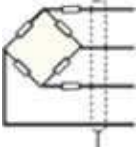
Applications

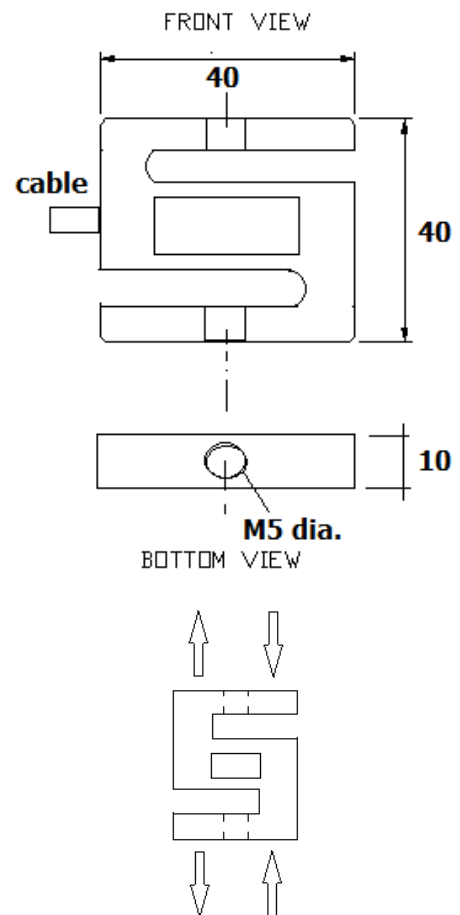
- ❖ Hand held force gages
- ❖ Medical instrumentations
- ❖ Controlled feed systems
- ❖ Test equipment
- ❖ Thread tension control in textile industry

Performance Specification

Standard Capacities	5 , 10, 15 , 20 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 mtrs
Temp. Compensated Range	0 ~ 60 °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	



Specification are subject to change.

All dimensions are in mm.



Manufactured by:
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