



Description

20210 - AL is strain gauge based force sensor constructed from Electro Less Nickel Plated Alloy Steel. Its operating temperature is 10°C to 50 °C. It is compact and light weight and easy to install. This is applied to economy hanging scales, hand held force gauges and controlled feed systems. It is universal load cell with tension and compression measurements.

Applications

- Hand held Force gauge
- Medical Instruments
- Controlled feed systems
- Test Equipment
- Thread tension control in textile industry
- Hanging Scales

Key Features

High accuracy available as per standard ISO 376:2011

Complete Environmental Protection – Meets IP 65 for gauge Area

Electro less Nickel Plated Alloy Steel constructions

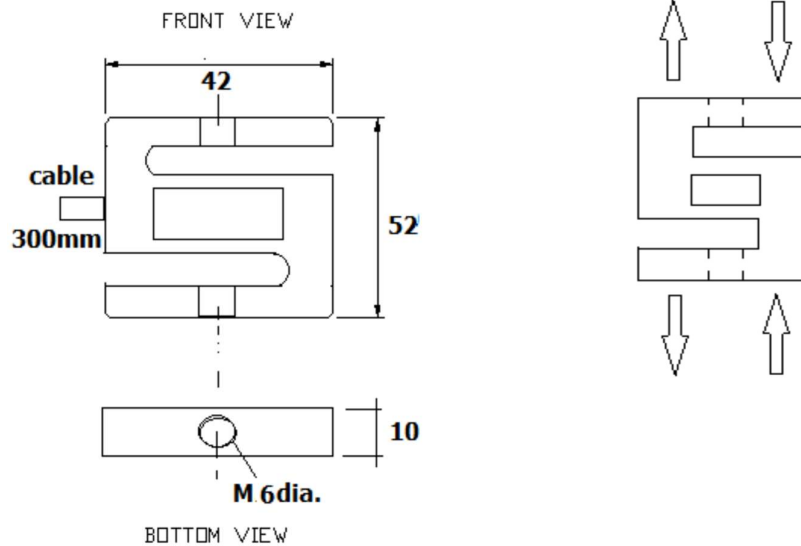
Only 50 KGF & 100 KGF capacity offered.

Calibration in mV/V/Ω

Technical Specifications

STANDARD CAPACITY		50, 100 - KGF
PERFORMANCE	Non - Linearity	< ± 0.5 % FSO
	Non-Repeatability	< ± 0.2 % FSO
	Creep (30 minutes)	< ± 0.05 % FSO
	Zero Balance	± 1.0 % FSO
ELECTRICAL	Output	1.0 mV/V TO 2.00 mV/V
	Excitation Voltage	Maximum 15 VDC (Suggested 5VDC / 10 VDC)
	Input Resistance	350 Ω (Ohms)
	Output Resistance	350 Ω (Ohms)
	Insulation Resistance	(100 VDC) > 1000 Mega Ω (Ohms)
STRUCTURE	Safe Overload Of Rated Capacity	150%
	Allowable Side Load	50%
	Deflection	< 0.5 mm at FSO
	Cable length	300 mm
	Finish Product	Electro Less Nickel Plated Alloy Steel
	As per IS/IEC 60529:2001	IP65
TEMP.	Operating Temperature	0°C to 50°C
	Compensated Temperature	10°C to 50°C
	Temperature Effect on Output	< 0.1 % FSO/ °C
	Temperature Effect on Zero	< 0.15 % FSO/ °C

Dimension (mm)



CAPACITY	THREAD	CABLE
50 KGF, 100 KGF	M6	300 mm
All dimensions are in mm.		
Specification are subject to change.		

Electrical Termination

