

MODEL**STUD FORCE SENSOR****Description**

STUD FORCE SENSOR is a conversion of the bolt into force sensor. Its both ends are threaded and central portion is sensitized by Strain gages. It is constructed from Stainless Steel. Higher capacity and customization can be offered optionally upon request.

Features

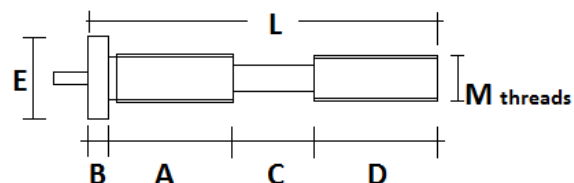
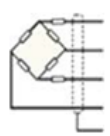
- ❖ 100Kgf. To 1250Kgf. capacities are offered.
- ❖ Complete environmental protection for gage area is provided for IP-65 protection class.
- ❖ Other capacities can be customized as per requirements.

Applications

- ❖ Small size for push pull force measurements
- ❖ Press and Assembly line force checks
- ❖ In line force measurements

Performance Specification

Standard Capacities	See Table (Other capacities are offered)
Excitation Voltage	10 VDC- Maximum 15 VDC
Nominal Output	1.5 m V/ V
Non - Linearity	< $\pm 0.25\%$ FSO (Full Scale Output)
Hysteresis	< $\pm 0.05\%$ FSO
Non-Repeatability	< $\pm 0.05\%$ FSO
Creep (30 minutes)	< $\pm 0.03\%$ FSO
Zero Balance	$\pm 5.0\%$ FSO
Input Resistance	350 ± 5 Ohms
Output Resistance	350 ± 5 Ohms
Insulation Resistance (50 VDC)	> 1000 Mega Ohms
Cable Length (4 Core Screened)	3 Meters
Safe Overload of Rated Capacity	150%
Ultimate Overload of Rated Capacity	250%
Allowable Side Load	50%
Operating Temp. Range	0-50 °C
Deflection	< 0.4 mm at FSO
Finish & Construction	Stainless Steel
Environmental Protection Class	Meets IP 65

**Electrical Termination**

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

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 and Reporting
- * Customization with customers dimensions

Cap.Kgf.	A	B	C	D	M Thread	L	E
1100	23	15	22	26.5	8X1.25	86.5	15
1350	50	15	22	24	12X1.75	111	15

Specifications are subject to change.

All dimensions are in mm