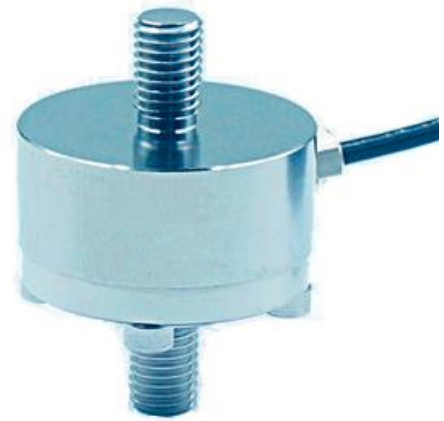


MLT62

Tension and Compression Force Sensor

Features

- Small deflection with large capacity
- Wide Load Measurement Range of 0 to 5000kg (Customizable for 10 ton)
- High dynamic response frequency
- Offers High Linearity of 0.2%



Description

MLT62 force sensor made of stainless steel material is a rugged and accurate tension-compression load cell suitable for load measurement in testing applications. This force sensor offers great flexibility and reliability for a wide range of applications with highly competitive pricing. MLT62 is available in standard ranges from 1000kg to 5000kg with an output of mV/V. The robust construction of MLT62 with precision of 0.25% FS makes it ideal for demanding long term applications in monitoring, robotics, machinery and weighing systems.

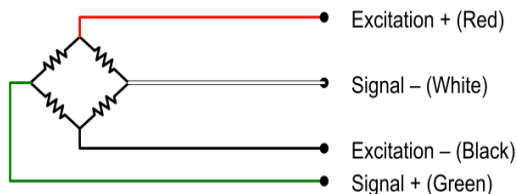
Applications

- Force test instruments
- Lifting hook scales
- Cable tension force monitoring
- Durability test benches for welding and joins

Technical Specifications

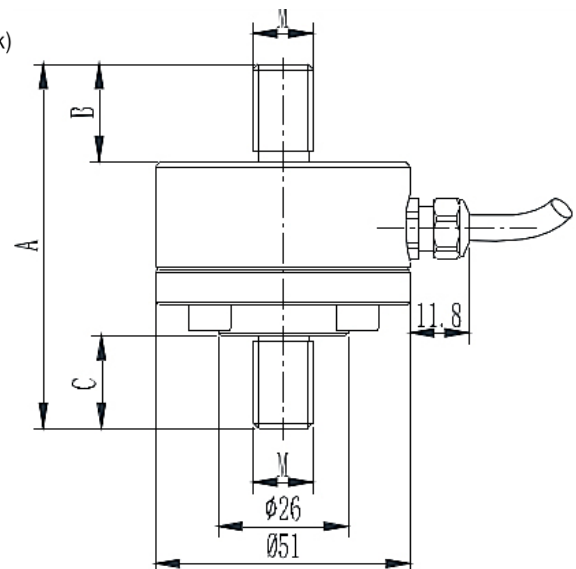
- Standard capacity: 2000, 3000, 4000, 5000kg
- Output: $1.5 \pm 10\%$ mV/V
- Accuracy: 0.25% FS (combined LRH error)
- Creep: $\pm 0.05\%$ FS / 30min
- Overload rating: 150% FS
- Maximum excitation: 15V
- Zero balance: ± 0.03 mV/V
- Compensated temp. range: -10 to 60°C
- Operating temp. range: -20 to +80°C
- Temp. coefficient of zero: 0.05% FS / 10°C
- Temp. coefficient of span: 0.05% FS / 10°C
- Input Impedance: $780 \pm 20\Omega$
- Output resistance: $700 \pm 10\Omega$
- Insulation resistance: $\geq 5000M\Omega$ @ 100VDC
- Electrical connection: 3m cable or others

Wiring



Dimensions

Capacity(Kg)	A	B	C	M
2000	71	19	18	M12
3000, 4000, 5000	86	25	25	M16



Note: All specifications are subject to change without prior notice

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