

MLD66

Compact 3 Axis Load Cell

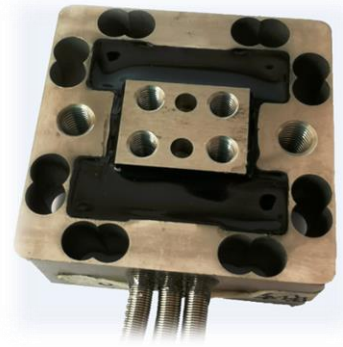
MeasureX

Features

- Compact size(40mm*40mm*19.5mm)
- Load Measurement Range of 5 - 50kg
- Low cross axis error in three dimensions

Description

The compact 3-axis load cell, MLD66 is suitable for measuring force in 3 mutually perpendicular axes and each axis provides an output of 1mV/V and requires no mathematical manipulation. The standard precision is 1% FS. The robust construction of MLD66 with its high performance makes it ideal for demanding long term applications.



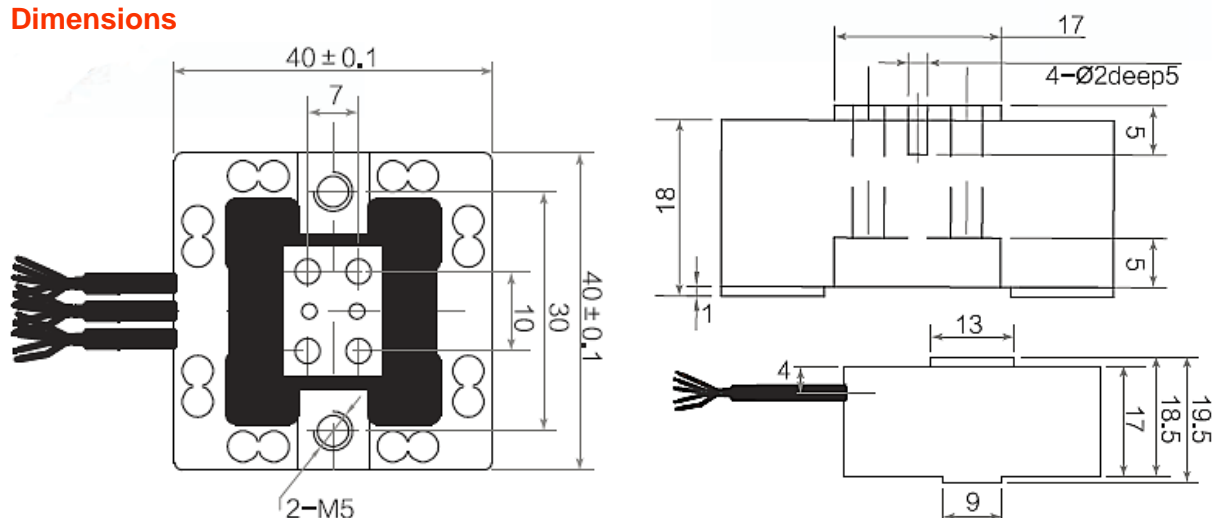
Applications

- Milling and grinding machine
- Wind tunnel tests
- Research and product development
- Robotic polishing
- Robot performance monitoring
- Overload protection in mechanical arms and joints

Technical Specifications

- Capacity (kg): 5,10, 20,30,50
- Output: 1~1.5mV/V
- Precision: 1% FS (combined LRH error)
- Creep: $\pm 0.05\%$ FS / 30min
- Safe load: 150% FS
- Maximum overload: 200%FS
- Excitation: 5 to 10 VDC
- Maximum excitation: 15V
- Zero balance: $\pm 2\%$ FS
- 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
- Output Impedance: 700 \pm 3 Ω
- Insulation resistance: $\geq 5000\text{M}\Omega$ @ 100VDC
- Electrical connection: 6 core 3m cable
- Protection : IP65
- Material : Aluminium(5,10kg)/ Stainless steel(20,30,50kg)

Dimensions



Note: All specifications are subject to change without prior notice

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