

MLA24

Single Point Load Cell

MeasureX

Features

- High Measuring Accuracy
- Load Measurement Range of 50 to 250kg
- Compact and Rugged Model
- Anodized Aluminium Alloy Material
- Silicon Rubber Sealing



Description

MLA24 series with Aluminium alloy material is a rugged and accurate load cell suitable for tension-compression load measurement. This single point load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing.

MLA24 is available in standard ranges from 50kg to 250kg with an output of mV/V. The standard Precision is 0.05% FS. The robust construction of MLA24 with its high performance makes it ideal for demanding long term applications.

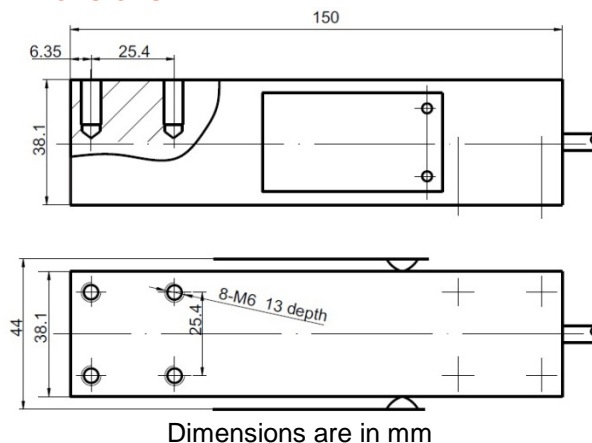
Applications

- Electronic scales
- Bin and hopper weighing systems
- Mechanical scale conversion
- Hanging Scales
- OEM scale construction
- Level and inventory measurement

Technical Specifications

- Capacity:** 50, 100, 150, 200, 250kg or other ranges
- Output:** $2.0 \pm 0.2\text{mV/V}$
- Precision:** 0.05% FS (combined LRH error)
- Creep:** $\pm 0.02\%$ FS / 30min
- Overload rating:** 150% FS
- Excitation:** 5 to 15 VDC
- Zero unbalance:** $\pm 1\%$ FS
- Protection:** IP66
- Compensated temp. range:** -10 to 40°C
- Operating temp. range:** -20 to +60°C
- Temp. coefficient of zero:** 0.02% FS / 10°C
- Temp. coefficient of span:** 0.02% FS / 10°C
- Input resistance:** $406 \pm 6\Omega$
- Output resistance:** $350 \pm 5\Omega$
- Insulation resistance:** $\geq 5000\text{M}\Omega$ @ 50VDC
- Electrical connection:** 6-core shielded cable and length=3m or others

Dimensions



Wiring



Note: All specifications are subject to change without prior notice

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