

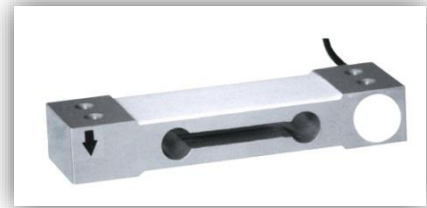
MLA21

Single Point Load Cell

MeasureX

Features

- High Measuring Accuracy
- Load Measurement Range of 5 - 80kg (less than 5kg can be Customised)
- Compact and Rugged Model
- Anodized Aluminium Alloy Material
- Silicon Rubber Sealing



Description

MLA21 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.

MLA21 is available in standard ranges from 5kg to 80kg with an output of mV/V. The standard Precision is 0.05% FS. The robust construction of MLA21 with its high performance makes it ideal for demanding long term applications.

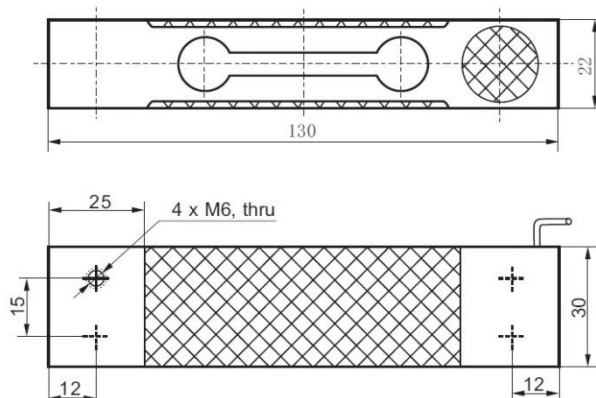
Applications

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

Technical Specifications

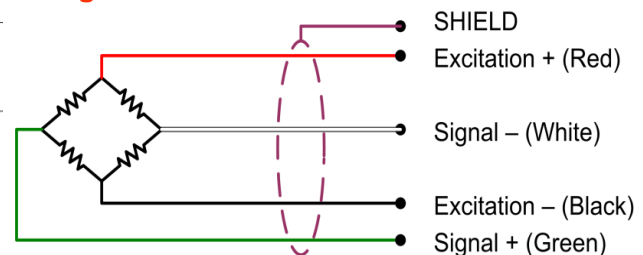
- Capacity:** 5, 6, 8, 10, 30, 35, 40, 50, 60 and 80kg (less than 5kg can be customised)
- Output:** 2.0 ± 0.2 mV/V
- Precision:** 0.05% FS (combined LRH error)
- Creep:** $\pm 0.02\%$ FS / 30min
- Overload rating:** 150% FS
- Excitation:** 5 to 15 VDC
- Zero unbalance:** $\pm 1\%$ FS
- Protection:** IP65
- Compensated temp. range:** -10 to 40°C
- Operating temp. range:** -20 to +65°C
- Temp. coefficient of zero:** 0.02% FS / 10°C
- Temp. coefficient of span:** 0.02% FS / 10°C
- Input resistance:** $400 \pm 10\Omega$ / $1065 \pm 15\Omega$
- Output resistance:** $350 \pm 5\Omega$ / $1000 \pm 15\Omega$
- Insulation resistance:** $\geq 5000M\Omega$ @ 50VDC
- Electrical connection:** 4-core shielded cable, $\Phi=4.2$ mm and length=300mm or others

Dimensions



Dimensions are in mm

Wiring



Note: All specifications are subject to change without prior notice

Ver. 5.3-20/12