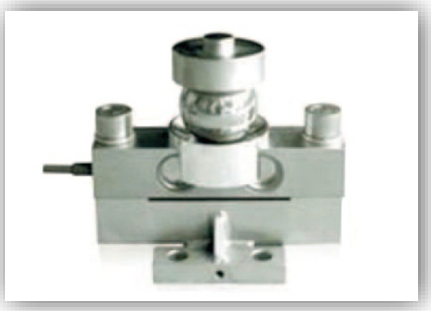
MLP22

Double Ended Shear Beam Load Cell

Features



- High Measuring Accuracy
- Load Measurement Range of 10 to 50t
- Compact and Rugged Model
- Steel Alloy Material
- Welded Sealing

Description

MLP22 series with steel alloy material is a rugged and accurate load cell suitable for compression load measurement. This double ended shear beam load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing.

MLP22 is available in standard ranges from 10t to 50t with an output of mV/V. The standard Precision is 0.05% FS. The robust construction of MLP22 with its high performance makes it ideal for demanding long term applications.

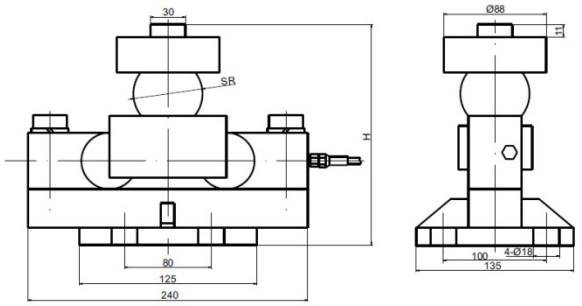
Applications

- General weighing system
- Hopper Scales
- Tank weighting systems
- Flat mounting weighing systems
- Vehicle scale

Technical Specifications

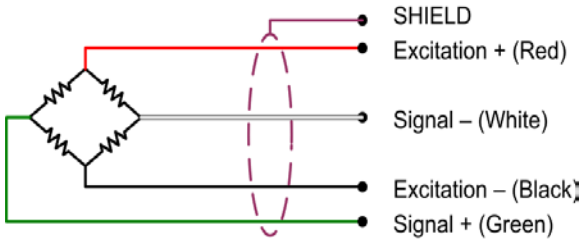
- **Capacity:** 10, 20, 30, 40, 50t or other ranges
- **Output:** 2.0 ± 0.02mV/V
- **Precision:** 0.05% FS (combined LRH error)
- **Creep:** ±0.016% FS / 30min
- **Overload rating:** 150% FS
- **Excitation:** 5 to 15 VDC
- **Zero unbalance:** ±1.5% FS
- **Protection:** IP67
- **Compensated temp. range:** -10 to 40°C
- **Operating temp. range:** -35 to +65°C
- **Temp. coefficient of zero:** 0.019% FS /10°C
- **Temp. coefficient of span:** 0.011% FS /10°C
- **Input resistance:** 700±7Ω
- **Output resistance:** 703±4Ω
- **Insulation resistance:** ≥ 5000MΩ @ 50VDC
- **Electrical connection:** 4-core shielded cable and length=10m or others

Dimensions



Dimensions are in mm

Wiring



Capacity	H	SR
10	195	50
20, 30	225	76
40, 50	267	82

Note: *All specifications are subject to change without prior notice*

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