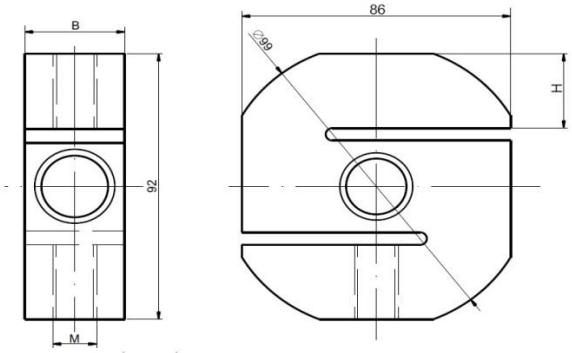
MLS22
S-Type Load Cell

Features
- High Measuring Accuracy
- Load Measurement Range of 0.5t to 7.5t
- Compact and Rugged Model for Tension and Compression
- Wide Range of Media Compatibility
- Low Static and Thermal Errors

Description
MLS22 series with alloy steel or optionally stainless steel material is a rugged and accurate based load cell suitable for tension-compression load measurement. This S-type load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing.
MLS22 is available in ranges from 500kg (0.5t) to 7500kg (7.5t) with an output of mV/V. The standard Precision is 0.02% FS. The robust construction of MLS22 with its high performance makes it ideal for demanding long term applications.

Applications
- Bin and hopper weighing systems
- Mechanical scale conversion
- Tension force measurement
- Material Testing Instruments
- Hanging Scales
- OEM scale construction
- Level and inventory measurement
- Production machinery automation

Technical Specifications
- **Capacity Ranges:** 0.5, 1, 2, 3, 4, 5, 6, 7.5t or other ranges
- **Output:** 2.0 ± 0.004mV/V
- **Precision:** 0.02% FS (combined LRH error)
- **Creep:** ±0.012% FS/30min
- **Overload rating:** 150% FS
- **Excitation:** 5 to 12 VDC
- **Zero unbalance:** ±1.5% FS
- **Protection:** IP68
- **Compensated temp. range:** -10 to 40°C
- **Operating temp. range:** -35 to +65°C
- **Temp. coefficient of zero:** 0.01% FS /10°C
- **Temp. coefficient of span:** 0.009% FS /10°C
- **Insulation resistance:** ≥ 5000MΩ @ 50VDC
- **Input resistance:** 360±10Ω
- **Output resistance:** 350±10Ω
- **Electrical connection:** 4-core shielded cable, Φ=5mm, length=6m or others

Dimensions


Dimensions are in mm

Wiring


Capacity	B	H	M
0.5, 1	32	25	M12x1.75
2, 3	32	25	M20x1. 5
4	36	25	M20x1. 5
5, 6, 7.5	50	24	M24x2

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

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