

MLW23

MeasureX

Shear Web Centre Thread Load Cell

Features

- Load Measurement Range of 2t to 100t
- Compact and Rugged Model
- Steel Alloy Material
- Very Competitive Price



Description

MLW23 series with steel alloy material is a rugged and accurate load cell suitable for tension and compression load measurement. This load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing. MLW23 is available in standard ranges from 2t to 100t with an output of mV/V. Standard non linearity is 0.03% FS. The robust construction of MLW23 with its high performance makes it ideal for demanding long term applications.

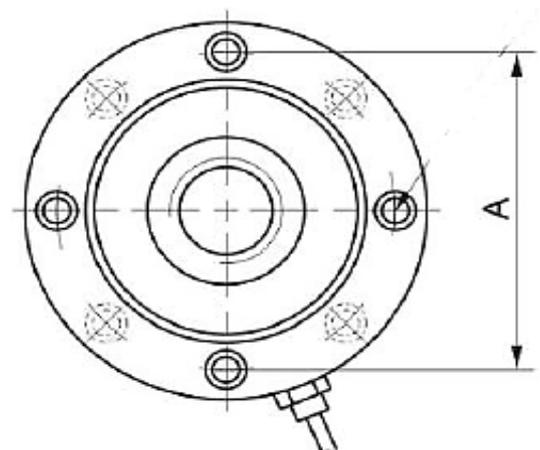
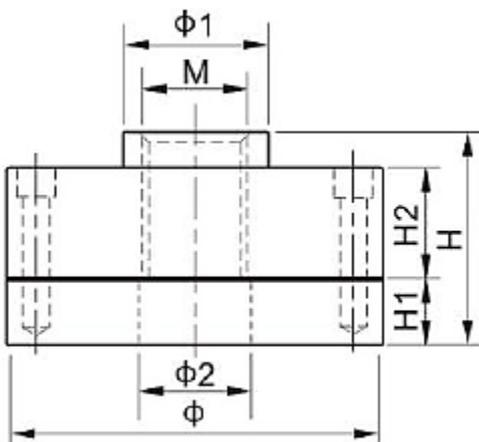
Applications

- Hopper Scales
- Tank weighting systems
- Bolt testing systems
- Vehicle scales

Technical Specifications

- Capacity: 2, 5, 10, 25, 50, 100t or other ranges
- Output: $2 \pm 0.05\text{mV/V}$ (Standard) / $4 \pm 0.05\text{mV/V}$
- Non linearity: 0.03%FS
- Repeatability: 0.02% FS
- Creep: $\pm 0.02\%$ FS / 30min
- Safe overload: 120% FS
- Maximum Excitation: 15 VDC
- Zero balance: $\pm 1\%$ FS
- Protection Level: IP67
- Compensated temp. range: -10 to 50°C
- Operating temp. range: -20 to +60°C
- Temp. coefficient of zero: 0.002% FS /10°C
- Temp. coefficient of span: 0.002% FS /10°C
- Input resistance: $765 \pm 15\Omega$
- Output resistance: $700 \pm 5\Omega$
- Insulation resistance: $\geq 5000\text{M}\Omega$ @ 100VDC
- Electrical connection: $\Phi 6 \times 9000\text{mm}$

Dimensions

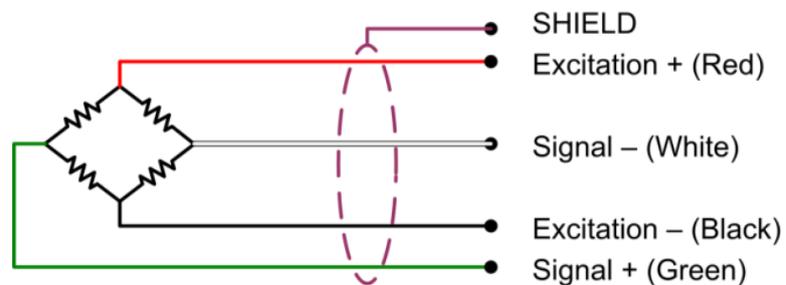


Shear Web Centre Thread Load Cell

Capacity (t)	A	ϕ	$\phi 1$	$\phi 2$	H	H1	H2	M
2, 5	88.9	104.7	34	18	53.8	19	31.8	M16x1.5
10, 25	101.6	120.7	38.9	34	77.8	24	41.1	M32x1.5
50	116.8	140	50.4	42	86.2	29	50.8	M40x1.5
100	162	200	76	64	125	42	70	M60x2

Dimensions are in mm

Wiring



Note: All specifications are subject to change without prior notice

Ver. 5.3-19/07