

MLW21

Shear Web Compression Load Cell

MeasureX

Features

- Load Measurement Range of 1 to 100t
- Accuracy of 0.03% FS
- Steel Alloy Material
- Very Competitive Price



Description

MLW21 series with Steel alloy material is a rugged and accurate load cell suitable for compression load measurement. This load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing. MLW21 is available in standard ranges from 1 to 100t with an output of mV/V. Standard precision is 0.03% FS. The robust construction of MLW21 with its high performance makes it ideal for demanding long term applications.

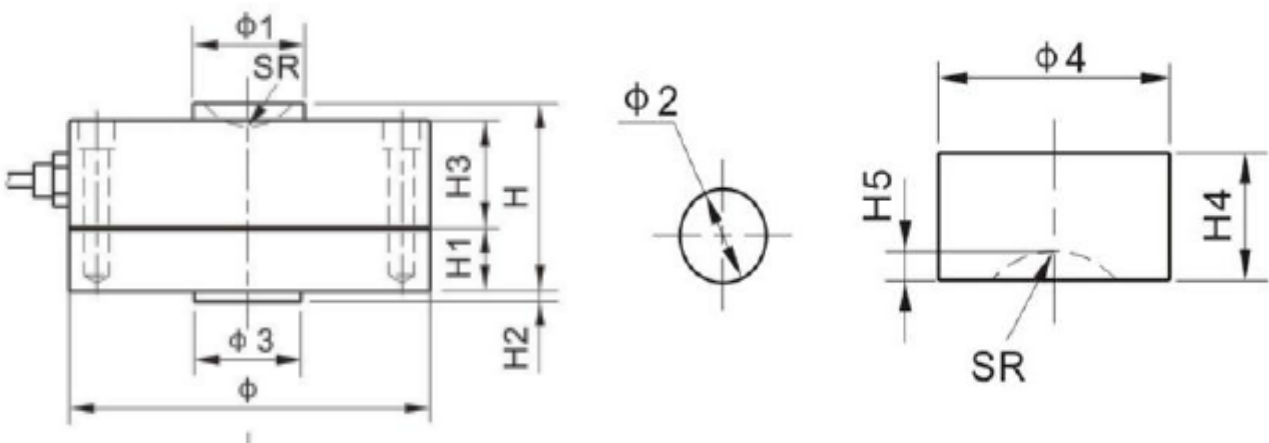
Applications

- Hopper Scales
- Tank weighing systems
- Flat mounting weighing systems
- Vehicle scales

Technical Specifications

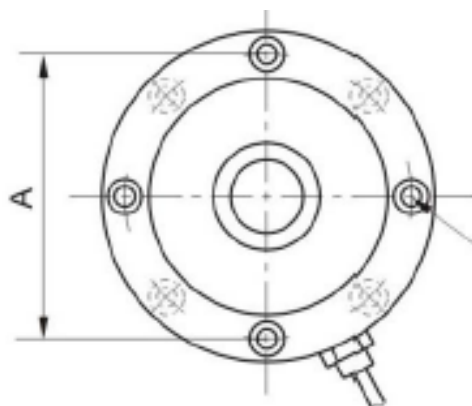
- Capacity: 1, 2, 5, 10, 20, 50, 100
- Output: $2 \pm 0.005\text{mV/V}$, $4.0 \pm 0.005\text{mV/V}$
- Precision: 0.03% FS (standard), (combined LRH error)
- Creep: $\pm 0.02\%$ FS / 30min
- Overload rating: 150% FS
- Excitation voltage: 5 to 15 VDC
- Zero balance: $\pm 1\%$ FS
- Protection: IP67 and option of IP68
- 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: $385 \pm 15\Omega$, $765 \pm 15\Omega$,
- Output resistance: $350 \pm 3\Omega$, $700 \pm 5\Omega$,
- Insulation resistance: $\geq 5000\text{M}\Omega$ @ 100VDC
- Electrical connection: 4-core shielded cable, length=9m

Dimensions



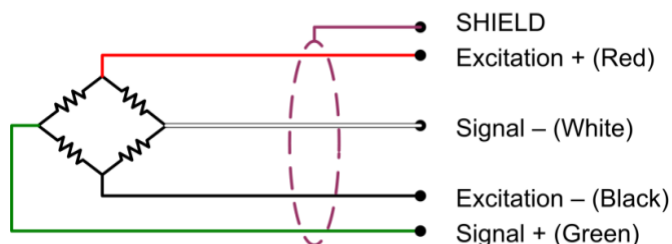
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Capacity (t)	A	Φ	$\Phi 1$	$\Phi 2$	$\Phi 3$	$\Phi 4$	H	H1	H2	H3	H4	H5	SR
1-7.5	88.9	104.7	34	22.2	31.8	41	53.8	19	1	31.8	14	5	15.9
10-25	101.6	120.7	38.9	38.1	31.8	43	77.8	24	1	41.1	19	8	22.2
30-50	116.8	140	50.4	41.3	31.8	59	86.2	29	1	50.8	32	7.8	25
100	162	200	76	76.2	50.8	98	125	42	1.1	70	55	13	45

Wiring



Note: All specifications are subject to change without prior notice

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