

MLC21

Column Compression Load Cell

MeasureX

Features

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



Description

MLC21 series with Stainless Steel material is a rugged and accurate load cell suitable for compression load measurement. This column compression load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing. Installation of this load cell is easy and it is water and oil-proof.

MLC21 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 MLC21 with its high performance makes it ideal for demanding long term applications.

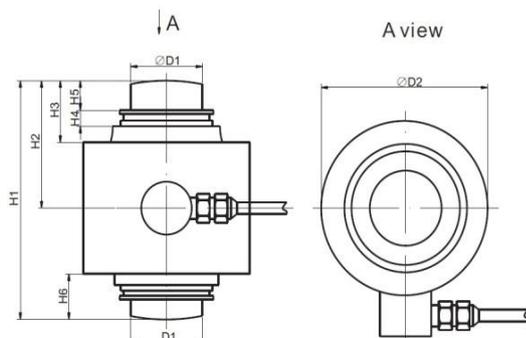
Applications

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

Technical Specifications

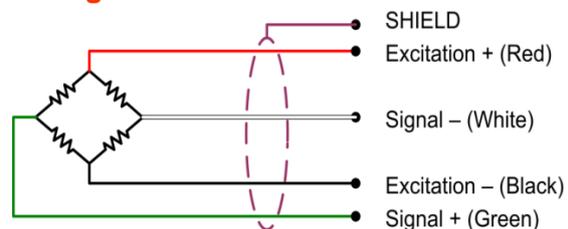
- **Capacity:** 10, 20, 30, 40, 50t or other ranges
- **Output:** $2.0 \pm 0.004\text{mV/V}$
- **Precision:** 0.05% FS (combined LRH error)
- **Creep:** $\pm 0.02\%$ FS / 30min
- **Overload rating:** 150% FS
- **Excitation voltage:** 5 to 12 VDC
- **Zero unbalance:** $\pm 1\%$ FS
- **Protection:** IP66 and option of IP67
- **Compensated temp. range:** -10 to 55°C
- **Operating temp. range:** -35 to +80°C
- **Temp. coefficient of zero:** 0.03% FS /10°C
- **Temp. coefficient of span:** 0.02% FS /10°C
- **Insulation resistance:** $\geq 5000\text{M}\Omega$ @ 50VDC
- **Input resistance:** $750 \pm 10\Omega$
- **Output resistance:** $700 \pm 10\Omega$
- **Electrical connection:** 4-core shielded cable, $\Phi=6.3\text{mm}$ and length=10m and others

Dimensions



Dimensions are in mm

Wiring



Capacity	D1	D2	H1	H2	H3	H4	H5	H6
10t	28	65	89	44	23	6	11	19.1
20t	28	65	89	44	23	6	11	19.1
30t	39	81	140	70	28	6.5	13	25.4
40t	39	81	150	75	33	11.7	13	25.4
50t	44	99	178	89	34	8.5	17	31.8

Note: All specifications are subject to change without prior notice

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