

# MLC66

## Miniature Column Type Load Cell

# MeasureX

### Features

- Miniature Size (13.4mm diameter)
- Wide Load Measurement Range of 0 to 15t
- Robust Construction



### Description

MLC66 series with Steel alloy material is a rugged and accurate compression load cell suitable for compression load measurement in applications with limitation in size. This miniature load cell offers great flexibility and reliability for a wide range of applications with highly competitive pricing. MLC66 is available in standard ranges from 0-1t to 0-15t (150kN) with an output of mV/V. The robust construction of MLC66 with precision of 1% FS makes it ideal for demanding long term applications in civil, construction, machinery, robotic and weighing systems.

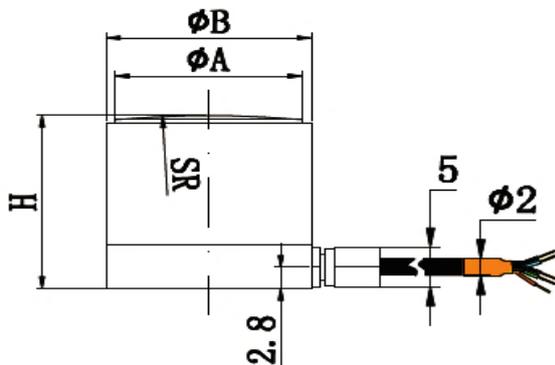
### Applications

- Industrial Automation and Robotics
- Measuring and control systems
- Tank and hopper weighing
- Flat mounting weighing systems

### Technical Specifications

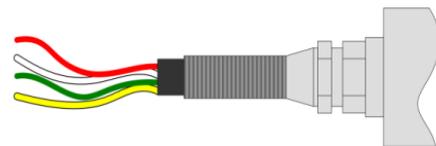
- Capacity: 1, 1.5, 2, 2.5, 3, 5, 7.5, 10 and 15t
- Output: 1.5 ~ 2 mV/V
- Precision: 1% FS
- Creep:  $\pm 0.5\%$  FS / 30min
- Overload rating: 120% FS
- Excitation: 5 -10V
- Maximum Excitation: 15V
- Zero unbalance:  $\pm 2\%$  FS
- Compensated temp. range: -10 to 60°C
- Operating temp. range: -20 to +80°C
- Temp. coefficient of zero: 0.5% FS /10°C
- Temp. coefficient of span: 0.5% FS /10°C
- Input resistance: 350 $\pm$ 5 $\Omega$
- Output resistance: 350 $\pm$ 5 $\Omega$
- Insulation resistance:  $\geq 5000M\Omega$  @ 100VDC
- Protection Level: IP65

### Dimensions



### Wiring

EXC+: Red  
 Signal-: White  
 Signal+: Green  
 EXC-: Yellow



Capacity (t)	B	A	H	SR
1, 1.5, 2, 2.5	15.9	13.4	16.81	101
3, 5, 7.5	22.4	20.4	22.4	101
10, 15	31.8	28.9	28.9	127

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

Ver. 5.2-18/03