

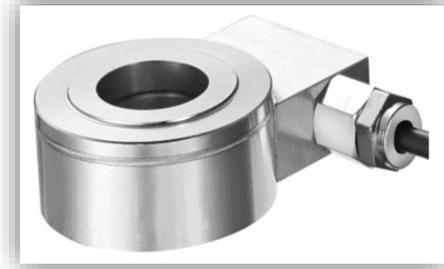
MLR61

Centre hole Ring Shape Load Cell

MeasureX

Features

- Wide Load Measurement Range of 0.3 – 20t
- High accuracy and durability
- Compact and robust construction



Description

MLR61 with welded stainless steel body and robust cable connection is an excellent choice for compression load measurement in harsh environments. Compact ring-shaped construction of this load cell makes it ideal for bolt tension monitoring, press machines and other applications in machinery and construction industries. MLR61 with wide measurement range offers great flexibility and reliability for precision measurements in research and development applications with competitive price.

The well-made construction of MLR61 with its high performance makes it the best choice for demanding long term applications requiring high accuracy. Customized non-standard measurement ranges of the load cell are available on request.

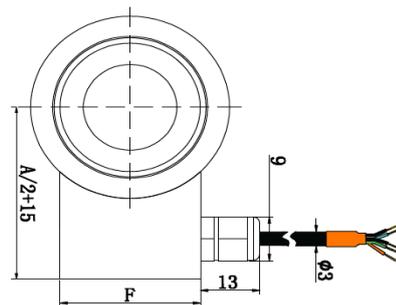
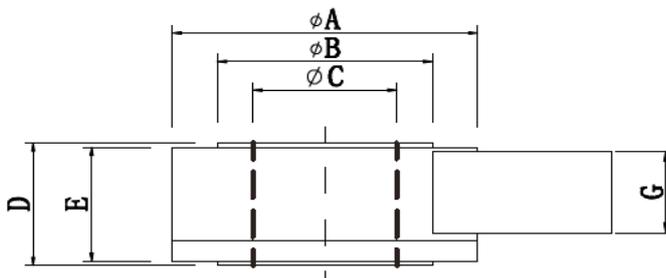
Applications

- Bolt performance monitoring
- Pressure measurement for switches
- Pressing machines
- Force detection in assembly of automobiles
- Pressure measurement for hot and cold lamination
- Force measurement in robotic arms

Technical Specifications

- Capacity: 0.3, 0.5, 1, 2, 3, 4, 5, 10, 15, 20t
- Output: 1~1.5 mV/V
- Precision: 3% FS (combined LRH error)
- Creep: $\pm 0.05\%$ FS / 30min
- Overload rating: 120% FS
- Excitation: 5 to 10 VDC
- 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: 0.05% FS / 10°C
- Temp. coefficient of span: 0.05% FS / 10°C
- Input Impedance: $750 \pm 15 \Omega$
- Output resistance: $700 \pm 3 \Omega$
- Insulation resistance: $\geq 5000 \text{M}\Omega @ 100 \text{VDC}$
- Electrical connection: 3m cable or others

Dimensions



Capacity (t)	A	B	C	D	E	F	G
0.3, 0.5, 1, 2	34	24	16	15	14	24	11.5
3, 4	50	32	20.5	20	19	24	11.5
5, 10, 15, 20	69	54	32	50	49	50	50

Wiring

- Red: Excitation+
- Black: Excitation-
- Green: Signal+
- White: Signal-

Note: All specifications are subject to change without prior notice

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