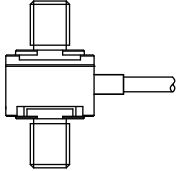


STRAIN GAUGE LOAD CELL

(Tension and compression type)

Functions & Features

- Rated capacity 10 kN
- Small and light
- Install with male screws on both ends



Hysteresis: ± 0.5 % R.O.

Repeatability: ± 0.5 % R.O.

Temperature effect on zero: ± 0.05 % R.O./°C

Temperature effect on output: ± 0.05 % LOAD/°C

Insulation resistance: 1000 M Ω or more (B/E 50V DC)

MODEL: LCCT-10K-5

ORDERING INFORMATION

- Code number: LCCT-10K-5

GENERAL SPECIFICATIONS

Cable type: 3 dia., 4-core shielded cable, split wire at the end

Cable length: 3 m

Body material: stainless

Rated flexure: 0.03 mm or less

Natural frequency: Approx. 16 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 10 kN (1.02 tf)

Safe overload: 150 % R.C.

Recommended excitation voltage: 5 V

Maximum excitation voltage: 10 V

Input terminal resistance: Approx. 350 Ω

OUTPUT SPECIFICATIONS

Rated output (R.O.): 1.5 mV/V ± 10 %

Output terminal resistance: Approx. 350 Ω

INSTALLATION

Compensated temperature range: -10 to +60 °C (14 to 140 °F)

Safe temperature range: -20 to +70 °C (-4 to 158 °F)

Weight: 25 g (0.88 oz)

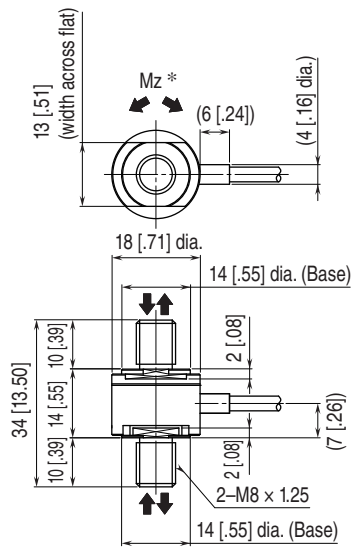
PERFORMANCE in percentage of span

Rated output error: ± 10 %

Zero balance: ± 10 % R.O.

Non-linearity: ± 0.5 % R.O.

EXTERNAL DIMENSIONS unit: mm [inch]



* Allowable bending moment is 9N·m.

↓ Load bearing direction
Compression +
Tension -

• WIRING COLOR

ITEM	COLOR
Excitation voltage +	Red
Excitation voltage -	White
Output signal +	Green
Output signal -	Black
Shield	Yellow



Specifications are subject to change without notice.