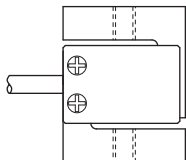


STRAIN GAUGE LOAD CELL

(Tension and compression type)

Functions & Features

- Rated capacity 1 N
- Very small type
- Easy to install with female screws on both ends



Repeatability: ± 0.1 % R.O.

Temperature effect on zero: ± 0.1 % R.O./ $^{\circ}\text{C}$

Temperature effect on output: ± 0.1 % LOAD/ $^{\circ}\text{C}$

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

MODEL: LCCT-1-1

ORDERING INFORMATION

- Code number: LCCT-1-1

GENERAL SPECIFICATIONS

Cable type: 1.6 dia., 4-core shielded cable, split wire at the end

Cable length: 1 m

Body material: beryllium copper

Rated flexure: 0.02 mm or less

Natural frequency: Approx. 4.6 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 1 N (102 gf)

Safe overload: 200 % R.C.

Recommended excitation voltage: 5 V

Maximum excitation voltage: 10 V

Input terminal resistance: Approx. 1000 Ω

OUTPUT SPECIFICATIONS

Rated output (R.O.): 0.5 to 1.5 mV/V

Output terminal resistance: Approx. 1000 Ω

INSTALLATION

Compensated temperature range: -10 to +50 $^{\circ}\text{C}$ (14 to 122 $^{\circ}\text{F}$)

Safe temperature range: -10 to +60 $^{\circ}\text{C}$ (14 to 140 $^{\circ}\text{F}$)

Weight: 3 g (0.11 oz)

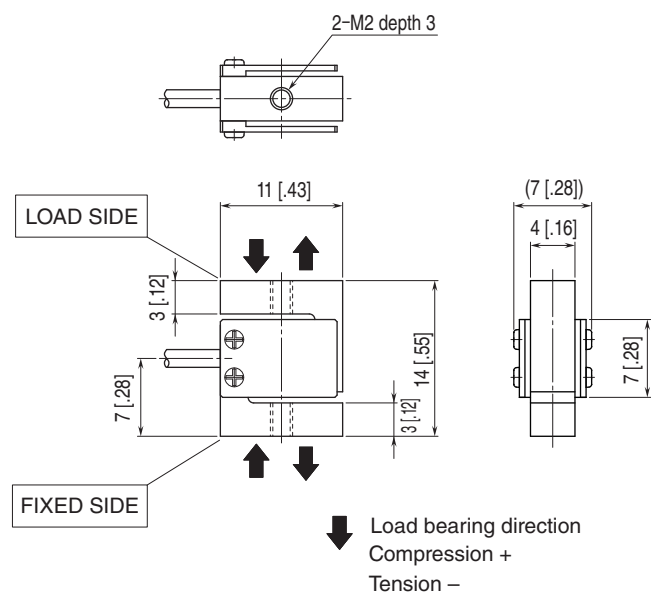
PERFORMANCE in percentage of span

Zero balance: ± 50 % R.O.

Non-linearity: ± 0.2 % R.O.

Hysteresis: ± 0.2 % R.O.

EXTERNAL DIMENSIONS unit: mm [inch]



• WIRING COLOR

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

 Specifications are subject to change without notice.