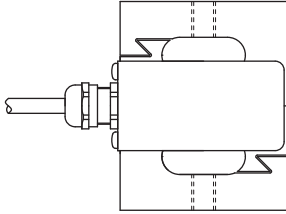


STRAIN GAUGE LOAD CELL

(Tension and compression type)

Functions & Features

- Rated capacity 500 N
- High accuracy



Hysteresis: ± 0.03 % R.O.

Repeatability: ± 0.03 % R.O.

Temperature effect on zero: ± 0.003 % R.O./°C

Temperature effect on output: ± 0.003 % LOAD/°C

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

MODEL: LCCT-500-3

ORDERING INFORMATION

- Code number: LCCT-500-3

GENERAL SPECIFICATIONS

Cable type: 5 dia., 4-core shielded cable, split wire at the end

Cable length: 3 m

Body material: Aluminium

Rated flexure: 0.3 mm or less

Natural frequency: Approx. 0.95 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 500 N (51 kgf)

Safe overload: 150 % R.C.

Recommended excitation voltage: 10 V

Maximum excitation voltage: 15 V

Input terminal resistance: $410 \Omega \pm 10 \Omega$

OUTPUT SPECIFICATIONS

Rated output (R.O.): 2 mV/V ± 5 %

Output terminal resistance: $350 \Omega \pm 5 \Omega$

INSTALLATION

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

Safe temperature range: -10 to +70 °C (14 to 158 °F)

Weight: 150 g (0.33 lb)

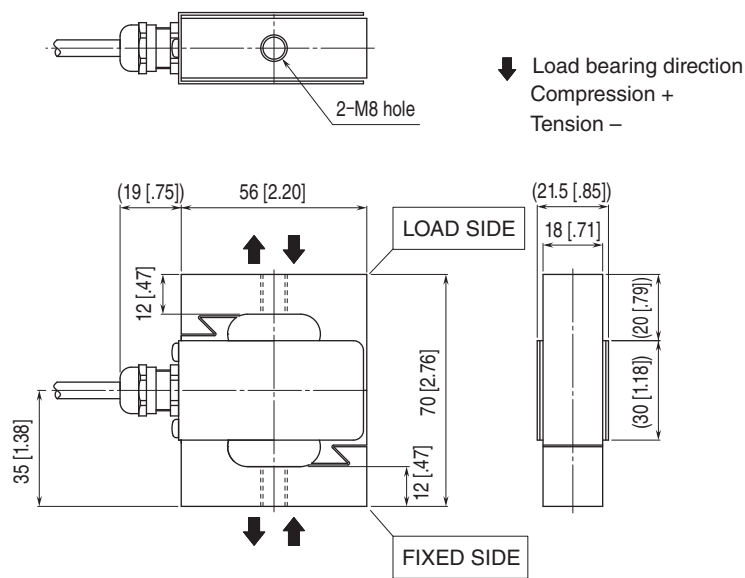
PERFORMANCE in percentage of span

Rated output error: ± 5 %

Zero balance: ± 10 % R.O.

Non-linearity: ± 0.03 % R.O.

EXTERNAL DIMENSIONS unit: mm [inch]



• WIRING COLOR

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



Specifications are subject to change without notice.