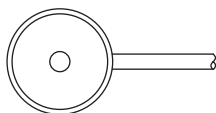


STRAIN GAUGE LOAD CELL

(Compression type)

Functions & Features

- Rated capacity 100 N
- Small type



Temperature effect on zero: ± 0.05 % R.O./ $^{\circ}\text{C}$

Temperature effect on output: ± 0.05 % LOAD/ $^{\circ}\text{C}$

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

MODEL: LCC-100-L

ORDERING INFORMATION

- Code number: LCC-100-L

GENERAL SPECIFICATIONS

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

Cable length: 2 m

Body material: stainless

Rated flexure: 0.01 mm or less

Natural frequency: Approx. 58.6 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 100 N (10.2 kgf)

Safe overload: 150 % R.C.

Recommended excitation voltage: 2.5 V

Maximum excitation voltage: 5 V

Input terminal resistance: 350 Ω $\pm$ 10 Ω

OUTPUT SPECIFICATIONS

Rated output (R.O.): 1 mV/V $\pm$ 10 %

Output terminal resistance: 350 Ω $\pm$ 10 Ω

INSTALLATION

Compensated temperature range: 0 to 50 $^{\circ}\text{C}$ (32 to 122 $^{\circ}\text{F}$)

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

Weight: 20 g (0.71 oz)

PERFORMANCE in percentage of span

Rated output error: ± 10 %

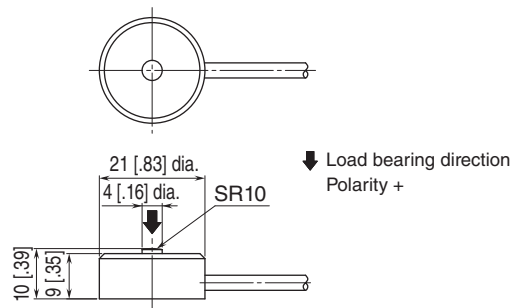
Zero balance: ± 10 % R.O.

Non-linearity: ± 1 % R.O.

Hysteresis: ± 1 % R.O.

Repeatability: ± 1 % R.O.

EXTERNAL DIMENSIONS unit: mm [inch]



• 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.