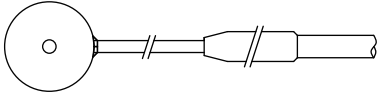


STRAIN GAUGE LOAD CELL

(Compression type)

Functions & Features

- Rated capacity 50 N
- Small and light
- Load measurement at locations where installation is restricted



Hysteresis: ± 1 % R.O.

Repeatability: ± 1 % R.O.

Temperature effect on zero: ± 0.2 % 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: LCC-50-U

ORDERING INFORMATION

- Code number: LCC-50-U

GENERAL SPECIFICATIONS

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

Cable length: 1 m

Body material: stainless

Rated flexure: 0.01 mm or less

Natural frequency: Approx. 42 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 50 N (5.1 kgf)

Safe overload: 150 % R.C.

Recommended excitation voltage: 2.5 V

Maximum excitation voltage: 5 V

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

OUTPUT SPECIFICATIONS

Rated output (R.O.): 1 mV/V ± 30 %

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

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: 3 g (0.11 oz)

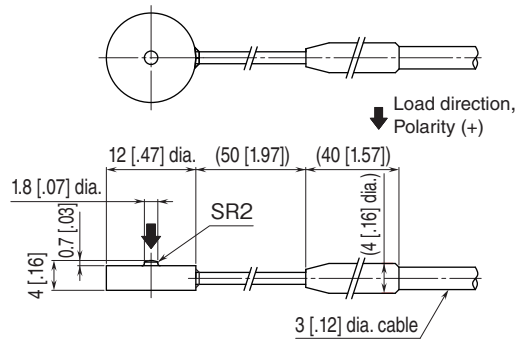
PERFORMANCE in percentage of span

Rated output error: ± 30 %

Zero balance: ± 10 % R.O.

Non-linearity: ± 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.