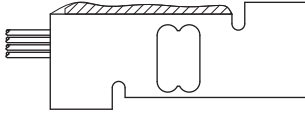


STRAIN GAUGE LOAD CELL

(Beam type)

Functions & Features

- Rated capacity 50 N
- Very 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: LCB-50

ORDERING INFORMATION

- Code number: LCB-50

GENERAL SPECIFICATIONS

Cable type: PVC wire (vinyl wire) AWG32, loose wire

Cable length: 200 mm

Body material: Aluminium

Rated flexure: 0.06 mm or less

Natural frequency: Approx. 19 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: Approx. 350 Ω

OUTPUT SPECIFICATIONS

Rated output (R.O.): 1.5 mV/V ± 20 %

Output terminal resistance: Approx. 350 Ω

INSTALLATION

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

Safe temperature range: -10 to +70 $^{\circ}\text{C}$ (14 to 158 $^{\circ}\text{F}$)

Weight: 4 g (0.14 oz)

PERFORMANCE in percentage of span

Rated output error: ± 20 %

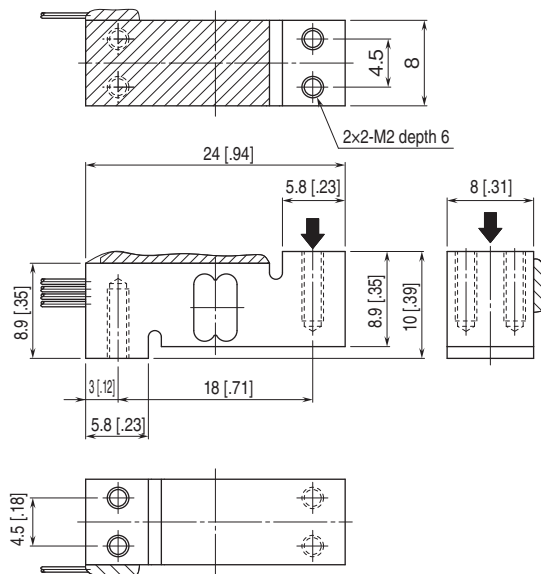
Zero balance: ± 10 % R.O.

Non-linearity: ± 0.2 % R.O.

Hysteresis: ± 0.2 % R.O.

Repeatability: ± 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



Specifications are subject to change without notice.