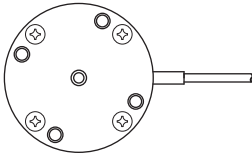


STRAIN GAUGE LOAD CELL

(Compression type)

Functions & Features

- Rated capacity 2.5 N
- Small and slim type
- Built-in mechanical stopper



Hysteresis: ± 0.2 % R.O.

Repeatability: ± 0.2 % R.O.

Temperature effect on zero: ± 0.05 % R.O./°C

Temperature effect on output: ± 0.05 % LOAD/°C

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

MODEL: LCC-2R5-Z

ORDERING INFORMATION

- Code number: LCC-2R5-Z

GENERAL SPECIFICATIONS

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

Cable length: 3 m

Body material: Aluminium

Rated flexure: 0.1 mm or less

Natural frequency: Approx. 9 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 2.5 N (255 gf)

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.): 0.4 mV/V or more

Output terminal resistance: Approx. 350 Ω

INSTALLATION

Compensated temperature range: 0 to 50 °C (32 to 122 °F)

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

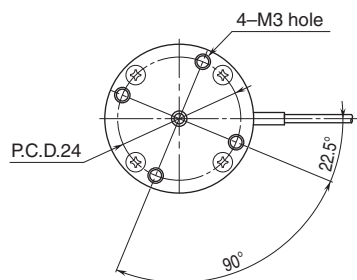
Weight: 13 g (0.46 oz)

PERFORMANCE in percentage of span

Zero balance: ± 10 % R.O.

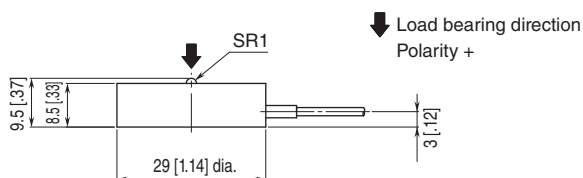
Non-linearity: ± 0.3 % R.O.

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.