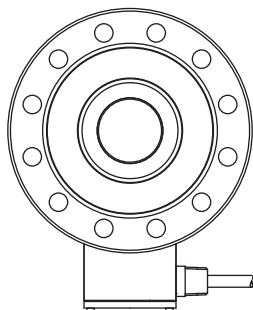


STRAIN GAUGE LOAD CELL

(Compression type)

Functions & Features

- Rated capacity 500 kN
- Slim type



PERFORMANCE in percentage of span

Rated output error: $\pm 0.5\%$

Zero balance: $\pm 1\%$ R.O.

Non-linearity: $\pm 0.1\%$ R.O.

Hysteresis: $\pm 0.1\%$ R.O.

Repeatability: $\pm 0.05\%$ R.O.

Temperature effect on zero: $\pm 0.005\%$ R.O./ $^{\circ}\text{C}$

Temperature effect on output: $\pm 0.005\%$ LOAD/ $^{\circ}\text{C}$

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

MODEL: LCC-500K-D

ORDERING INFORMATION

- Code number: LCC-500K-D

GENERAL SPECIFICATIONS

Cable type: 9 dia., 4-core shielded cable, split wire at the end

Cable length: 3 m

Body material: special alloy steel

Rated flexure: 0.1 mm or less

Natural frequency: Approx. 5.9 kHz

INPUT SPECIFICATIONS

Rated capacity (R.C.): 500 kN (51 tf)

Safe overload: 150 % R.C.

Recommended excitation voltage: 10 V

Maximum excitation voltage: 15 V

Input terminal resistance: 350 to 800 Ω

OUTPUT SPECIFICATIONS

Rated output (R.O.): 2 mV/V $\pm 0.5\%$

Output terminal resistance: 350 to 800 Ω

INSTALLATION

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

Safe temperature range: -20 to +70 $^{\circ}\text{C}$ (-4 to 158 $^{\circ}\text{F}$)

Weight: 23 kg (50.7 lb)

EXTERNAL DIMENSIONS unit: mm [inch]



ITEM	COLOR
Excitation voltage +	Red
Excitation voltage –	White
Output signal +	Green
Output signal –	Black
Shield	Yellow



Specifications are subject to change without notice.