

CANISTER-STYLE COMPRESSION LOAD CELLS

STANDARD AND METRIC MODELS

Compression

0-500 lb to 0-2 M lb

0-250 to 0-10,000 kgf

LC1011-1K, connector style,
shown actual size, see next
page for dimensions.

LC1001/LCM1001 Series LC1011/LCM1011 Series



Standard

- ✓ 0.25% Interchangeability for Multiple Load Cell Applications
- ✓ 5-Point NIST-Traceable Calibration (Standard)
- ✓ Canister Design Ideal for Axial Compression Applications
- ✓ Heavy-Duty, Environmentally Sealed Case for Harsh Environments
- ✓ Dual-Bridge Models Available



LC1011/LCM1011
models with
twist-lock connector.

SPECIFICATIONS

Excitation: 10 Vdc (15 Vdc maximum)

Output: 2 mV/V $\pm 0.25\%$

5-Point Calibration (in Compression):

0%, 50%, 100%, 50%, 0%
calibrated to full scale up to 300,000 lb;
load cells over 300,000 lb calibrated at
300,000 lb. For a full scale calibration
over 300,000 lb, specify option “-FS”
after model number (consult Sales for
price and delivery).

Protection Class: IP67

Linearity: $\pm 0.05\%$ FSO

Hysteresis: $\pm 0.03\%$ FSO

Repeatability: $\pm 0.02\%$ FSO

Zero Balance: $\pm 1\%$ full scale

Operating Temp Range:
-46 to 100°C (-50 to 212°F)

Compensated Temp Range:
16 to 71°C (60 to 160°F)

Thermal Effects:

Zero: $\pm 0.0018\%$ full scale/°C

Span: $\pm 0.0018\%$ rdg/°C

Safe Overload: 150% of rated capacity

Ultimate Overload:
300% of rated capacity

Input Resistance: 350 $\pm 10 \Omega$

Output Resistance: 350 $\pm 10 \Omega$

Full Scale Deflection: 0.18 to 0.50 mm
(0.007 to 0.020") typical

Construction:

Metric and Standard Ranges

<500,000 lb: 17-4 PH stainless steel

Ranges $\geq 500,000$ lb: High-alloy steel

Electrical:

LC1001/LCM1001: 4.8 m (15')

4-conductor shielded PVC cable

LC1011/LCM1011: PTIH-10-6P
(or equivalent)

Mating Connector: PT06F10-6S-R,
(sold separately)

**Cable Assembly with Twist-Lock
Connector:** CA-6PC24-3-015
(sold separately)

