

LOW-RANGE CONSTANT MOMENT BEAM LOAD CELLS

STANDARD AND METRIC MODELS

Tension/Compression
0-1 lb to 0-25 lb
0-0.4 kgf to 0-11 kgf

LC601/LCM601 Series



- ✓ 4-Direction Overload Stops
- ✓ 0.25% Interchangeability
- ✓ High-Quality All Stainless Steel Construction
- ✓ Rugged Industrial Design
- ✓ 5-Point Calibration

TRODEX's LC601/LCM601 Series comprises extremely low-capacity industrial load cells with built-in overload stops in all 4 directions for added durability. They offer high accuracy and rugged construction in a small package and are ideal for small scales and for industrial weighing applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15V maximum

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

5-Point Calibration (in Compression):
 0%, 50%, 100%, 50%, 0%

Linearity: $\pm 0.03\%$ FSO

Hysteresis: $\pm 0.03\%$ FSO

Repeatability: $\pm 0.02\%$ FSO

Zero Balance: $\pm 1\%$ FSO

Operating Temperature Range:
 -34 to 82°C (-30 to 180°F)

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

Thermal Effects:

Zero: $\pm 0.0025\%$ FSO/°F

Span: $\pm 0.0010\%$ FSO/°F

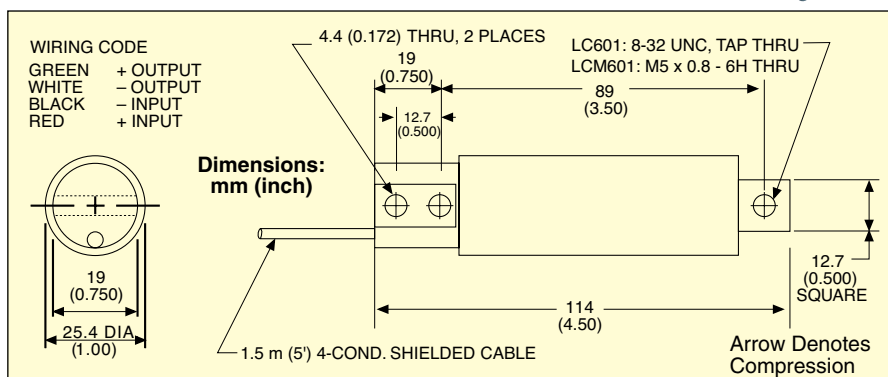
Safe Overload: 150% of rated capacity

Ultimate Overload: 300% of capacity

Input Resistance: 360 Ω minimum

Output Resistance: 350 $\pm 10 \Omega$

LC601-25 shown
actual size.



Full Scale Deflection:
 0.005 to 0.015" typical
Construction: Stainless steel

Electrical Connections: 1.5 m (5')
 4-conductor shielded color-coded cable

To Order

| CAPACITY | | MODEL NO. | COMPATIBLE METERS* |
|-----------------|-----|-----------|-----------------------|
| kgf | lb | | |
| STANDARD MODELS | | | |
| 0.4 | 1 | LC601-1 | DPiS, DP41-S, DP25B-S |
| 909 g | 2 | LC601-2 | DPiS, DP41-S, DP25B-S |
| 2.3 | 5 | LC601-5 | DPiS, DP41-S, DP25B-S |
| 4.5 | 10 | LC601-10 | DPiS, DP41-S, DP25B-S |
| 7 | 15 | LC601-15 | DPiS, DP41-S, DP25B-S |
| 11 | 25 | LC601-25 | DPiS, DP41-S, DP25B-S |
| METRIC MODELS | | | |
| 1 | 2.2 | LCM601-1 | DPiS, DP41-S, DP25B-S |
| 2 | 4.4 | LCM601-2 | DPiS, DP41-S, DP25B-S |
| 5 | 11 | LCM601-5 | DPiS, DP41-S, DP25B-S |
| 10 | 22 | LCM601-10 | DPiS, DP41-S, DP25B-S |

Comes complete with 5-point NIST-traceable calibration and 59 k Ω shunt data.

* Visit us online for compatible meters. DPiS meter suitable for one direction measurement only.

Ordering Examples: LC601-5, 5 lb capacity load cell.

LC601-10, 10 lb capacity load cell.

LCM601-5, 5 kgf capacity load cell.

LCM601-10, 10 kgf capacity load cell.