

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

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

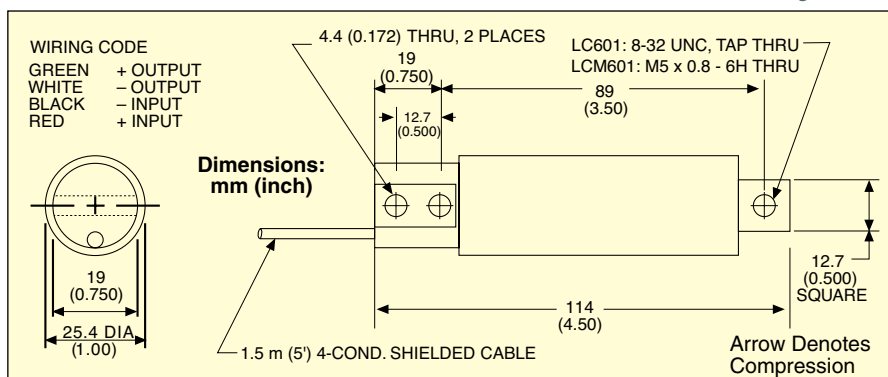
Safe Overload: 150% of rated capacity

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 Visit newportUS.com/lc601 for Pricing and Details

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 newportUS.com 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.