

HIGH-ACCURACY MINIATURE UNIVERSAL LOAD CELLS

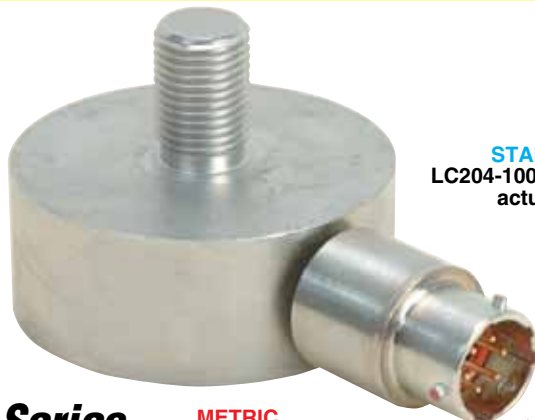
CELLS SURFACE MOUNT STYLE

51 mm (2") DIAMETER STANDARD AND METRIC MODELS



**Tension/Compression
Calibrated in Tension**
0-25 lb to 0-10,000 lb
0-100 to 0-50,000 N

1 Newton = 0.2248 lb
1 daNewton = 10 Newtons
1 lb = 454 g
1 t = 1000 kgf = 2204 lb



STANDARD
LC204-100 shown
actual size.



Cable style
LC204/LCM204 units.

LC204/LCM204 Series LC214/LCM214 Series

METRIC
LCM214-100N
shown actual size.

Twist-lock connector
LC214/LCM214 units.



Bottom view of all units,
Shown smaller than actual size.



Standard

- ✓ FM Intrinsically Safe
- ✓ 1.0% Interchangeability for Scale Applications
- ✓ Miniature Package for Test Stands and Difficult Locations
- ✓ Designed to be Mounted on a Flat Surface
- ✓ 5-Point Calibration

OMEGA's LC204/LCM204 Series load cells are designed to be surface mounted with the load applied through the mounting stud. The high linearity (0.15%) and all stainless steel construction make them ideal for industrial and commercial weighing and for force measuring applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc maximum

Output: 2 mV/V ±1.0%

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

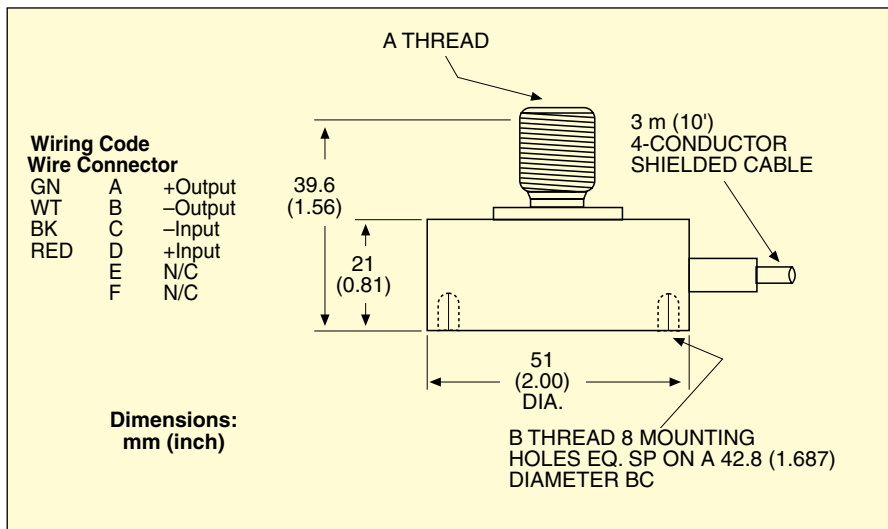
Linearity: ±0.15% FSO

Hysteresis: ±0.1% FSO

Repeatability: ±0.05% FSO

Zero Balance: ±2% FSO

Operating Temp Range:
-46 to 107°C (-50 to 225°F)



Dimensions: mm (inch)

MODEL	A THREAD	B THREAD
LC204/LC214	½-20 UNF-2A 19 (0.75) L	10-32 UNF 6.3 (0.25) DP min
LCM204/LCM214	M12 x 1.75 19 (0.75) L	M5 x 0.8 6.3 (0.25) DP min

Compensated Temp Range:

16 to 71°C (60 to 160°F)

Protection Class: IP65

Thermal Effects:

Zero: 0.0045% FSO/°F

Span: 0.009% FSO/°F

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

Input Resistance: 350 Ω minimum

Output Resistance: 350 ±10 Ω

Construction: Stainless steel

Electrical: 3 m (10') 4-conductor shielded cable

LC214/LCM214 Mating Connector:
PT06F10-6S-R (sold separately)

LC214/LCM214 Cable Assembly with Twist Lock Connector:
CA-4PC24-2-015 (sold separately)

