

HIGH-ACCURACY MINIATURE UNIVERSAL LOAD CELLS

SURFACE MOUNT STYLE 2" DIAMETER

LC204/LC214 Series

LC204 (Cable Style)
LC214 (Connector Style)
Tension/Compression
Calibrated in Tension
0-25 lb to 0-10,000 lb
0-11 kg to 0-4537 kg

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

All Models
\$489



- ✓ FM Intrinsically Safe
- ✓ 0.25% Interchangeability for Scale Applications
- ✓ Miniature Package for Test Stands and Difficult Locations
- ✓ Designed to be Mounted on a Flat Surface
- ✓ 5-Point Calibration

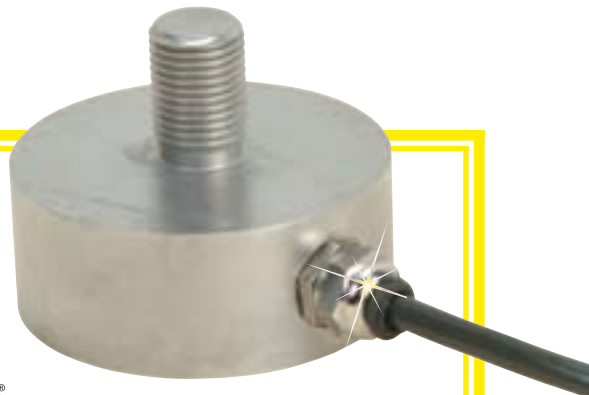
OMEGA's LC204 Series load cells are designed to be surface mounted with the load applied through the mounting stud. The high linearity (0.15%) and all stainless steel construction make them ideal for industrial and commercial weighing and for force measuring applications.

SPECIFICATIONS

Excitation: 10 Vdc, 15 Vdc max
Output: 2 mV/V ±0.25%
5-Point Calibration (in Tension):
 0%, 50%, 100%, 50%, 0%
Linearity: ±0.15% FSO
Hysteresis: ±0.1% FSO
Repeatability: ±0.05% FSO
Agency Approvals:
 FM IS/I,II,III/1/CDEFG (standard)
Zero Balance: ±2% FSO

Operating Temp Range:
 -46 to 107°C (-50 to 225°F)
Compensated Temp Range:
 16 to 71°C (60 to 160°F)
Protection Class: IP65

LC214-1K,
 \$489, shown
 smaller than
 actual size.



LC204-100, \$489, shown actual size.

Thermal Effects:

Zero: 0.0045% FSO/°F
Span: 0.009% FSO/°F

Safe Overload: 150% of capacity

Ultimate Overload: 300% of capacity

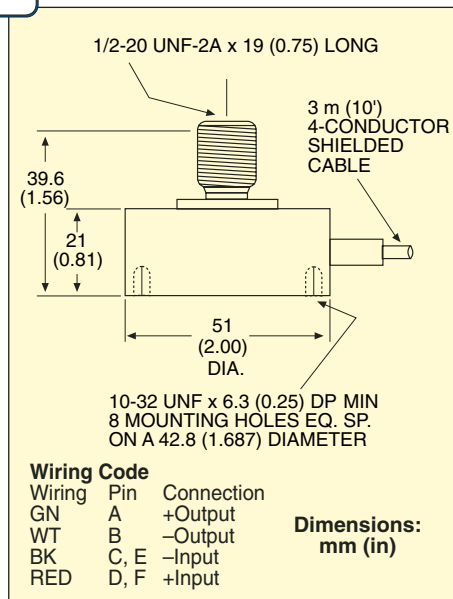
Input Resistance: 360 Ω minimum

Output Resistance: 350 ±10 Ω

Construction: Stainless steel

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

LC214 Mating Connector:
 PT06F10-6S, \$26.50 (not included)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

CAPACITY		MODEL NO.		PRICE	COMPATIBLE METERS*
lb	kg	CABLE	CONNECTOR		
25	11	LC204-25	LC214-25	\$489	DPiS, DP41-S, DP25B-S
50	23	LC204-50	LC214-50	489	DPiS, DP41-S, DP25B-S
100	45	LC204-100	LC214-100	489	DPiS, DP41-S, DP25B-S
200	91	LC204-200	LC214-200	489	DPiS, DP41-S, DP25B-S
300	136	LC204-300	LC214-300	489	DPiS, DP41-S, DP25B-S
500	227	LC204-500	LC214-500	489	DPiS, DP41-S, DP25B-S
1000	455	LC204-1K	LC214-1K	489	DPiS, DP41-S, DP25B-S
2000	909	LC204-2K	LC214-2K	489	DPiS, DP41-S, DP25B-S
2500	1134	LC204-2.5K	LC214-2.5K	489	DPiS, DP41-S, DP25B-S
5000	2269	LC204-5K	LC214-5K	489	DPiS, DP41-S, DP25B-S
8000	3630	LC204-8K	LC214-8K	489	DPiS, DP41-S, DP25B-S
10,000	4537	LC204-10K	LC214-10K	489	DPiS, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration.

* See section D for compatible meters. DPiS meter suitable for one direction measurement only.

Ordering Examples: LC204-25, 25 lb capacity surface mount load cell, \$489.

LC204-1K, 1000 lb capacity surface mount load cell, \$489.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
REC-012F	\$45	Rod end
ME-1758	95	Reference Book: Strength of Materials and Structures

LOAD CELLS

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