

PLATFORM LOAD CELL FOR WASHDOWN APPLICATIONS STANDARD AND METRIC MODELS

LCAD/LCMAD Series Compression

0-50 lb to 0-1000 lb
0-25 kgf to 0-500 kgf

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

Starts at
\$495



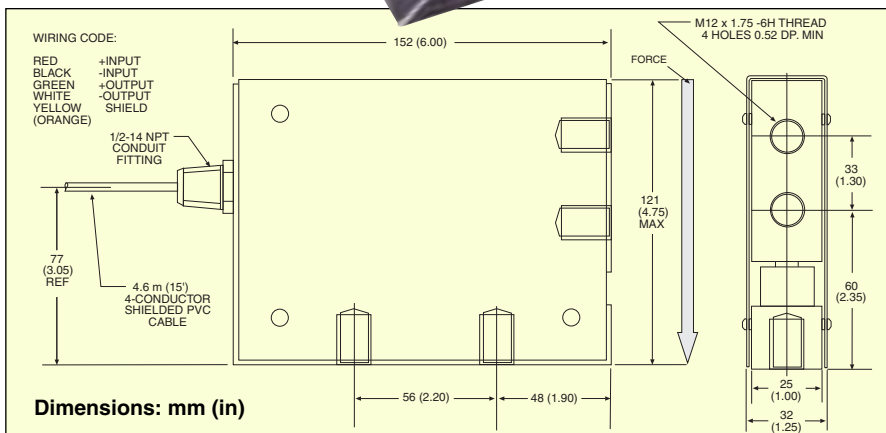
Standard

STANDARD
LCAD-250, \$495,
shown much
smaller than
actual size.



- ✓ Hermetically Sealed for Washdown Applications
- ✓ All Stainless Steel Construction
- ✓ High 0.02% Linearity FSO
- ✓ Low 0.03% Creep FSO
- ✓ Heavy-Duty Construction for Weighing Applications
- ✓ Built-In Overload Stops

The LCAD Series platform load cells are hermetically sealed and designed for applications such as industrial food processing and weighing and automated weighing stations, in which high accuracy and watertightness are important. The all stainless steel construction and rugged design give the LCAD high accuracy and high reliability even in washdown areas.



Ultimate Overload: 500% of capacity (compression only)
Input Resistance: 370 Ω minimum
Output Resistance: 350 ±3.5 Ω

Construction: 17-4 PH stainless steel
Electrical: 4.6 m (15') 4-conductor shielded PVC cable

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)				
CAPACITY	MODEL NO.	PRICE	COMPATIBLE METERS*	
STANDARD MODELS				
23 kgf 50 lb	LCAD-50	\$495	DPiS, DP41-S, DP25B-S	
45 kgf 100 lb	LCAD-100	495	DPiS, DP41-S, DP25B-S	
114 kgf 250 lb	LCAD-250	495	DPiS, DP41-S, DP25B-S	
227 kgf 500 lb	LCAD-500	495	DPiS, DP41-S, DP25B-S	
341 kgf 750 lb	LCAD-750	495	DPiS, DP41-S, DP25B-S	
455 kgf 1000 lb	LCAD-1K	495	DPiS, DP41-S, DP25B-S	
METRIC MODELS				
25 kgf 55 lb	LCMAD-25	\$495	DPiS, DP41-S, DP25B-S	
50 kgf 110 lb	LCMAD-50	495	DPiS, DP41-S, DP25B-S	
250 kgf 550 lb	LCMAD-250	495	DPiS, DP41-S, DP25B-S	
500 kgf 1100 lb	LCMAD-500	495	DPiS, DP41-S, DP25B-S	

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

* See section D for compatible meters.

Ordering Examples: LCAD-50, 50 lb capacity hermetically sealed platform load cell with 4.6 m (15') cable, \$495.

LCMAD-50, 50 kgf capacity hermetically sealed platform load cell with 4.6 m (15') cable, \$495.

SPECIFICATIONS

Output: 2.1 mV/V ±0.1mV/V
Excitation: 10 Vdc (15V max)
Linearity: ±0.02% FSO
Hysteresis: ±0.02% FSO
Repeatability: ±0.02% FSO
Creep: ±0.03% FSO (20 min)
Zero Balance: ±2.0% FSO
Operating Temp Range: -51 to 93°C (-60 to 200°F)
Protection Class: IP68
Compensated Temp Range: 16 to 71°C (60 to 160°F)
Thermal Effects:
Zero: ±0.0015% FSO/°F
Span: ±0.0008% rdg/°F
Overload to Stops: 225% of capacity (compression only)

LOAD CELLS **F**



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters