

PLATFORM LOAD CELL FOR WASHDOWN APPLICATIONS

LCAD Series Compression

0-50 lb to 0-1000 lb
0-23 kg to 0-455 kg

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

Starts at
\$495



- ✓ 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

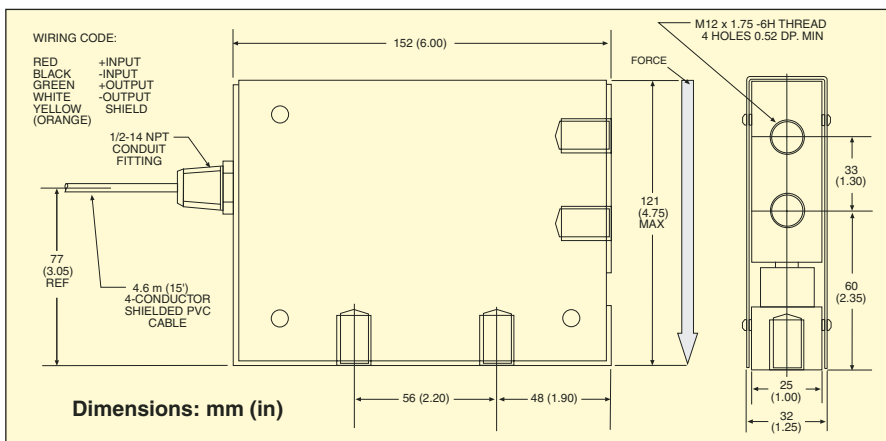
The LCAD Series platform load cells are hermetically sealed and designed for applications such as industrial food processing and weighing and automated weighing stations, in which high accuracy and watertightness are important. The all stainless steel construction and rugged design give the LCAD high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

SPECIFICATIONS

Output: 2.1 mV/V \pm 0.1mV/V
Excitation: 10 Vdc (15 V max)
Linearity: \pm 0.02% FSO
Hysteresis: \pm 0.02% FSO
Repeatability: \pm 0.02% FSO
Creep: \pm 0.03% FSO (20 min)
Zero Balance: \pm 2.0% FSO
Operating Temp Range: -51 to 93°C (-60 to 200°F)
Protection Class: IP68



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



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

Thermal Effects:

Zero: \pm 0.0015% FSO/°F
Span: \pm 0.0008% rdg/°F

Overload to Stops: 225% of capacity (compression only)

Ultimate Overload: 500% of capacity (compression only)

Input Resistance: 370 Ω minimum

Output Resistance: 350 \pm 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*
50 lb	23 kg	LCAD-50	\$495	DPIS, DP41-S, DP25B-S
100 lb	45 kg	LCAD-100	495	DPIS, DP41-S, DP25B-S
250 lb	114 kg	LCAD-250	495	DPIS, DP41-S, DP25B-S
500 lb	227 kg	LCAD-500	495	DPIS, DP41-S, DP25B-S
750 lb	341 kg	LCAD-750	495	DPIS, DP41-S, DP25B-S
1000 lb	455 kg	LCAD-1K	495	DPIS, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration.

* 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. LCAD-1K, 1000 lb capacity hermetically sealed platform load cell with 4.6 m (15') cable, \$495.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
GE-2473	\$110	Reference Book: Foundations of Food Preparation

omega.co.uk[®]

Your One-Stop Source for Process Measurement and Control!

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622 | Sales@omega.co.uk

www.omega.co.uk



UNITED STATES

www.omega.com

1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca

Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de

Deckenfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk

Manchester, England
0800-488-488
+44-(0)161-777-6611

FRANCE

www.omega.fr

0800-466-342

BENELUX

www.omega.nl

0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples, Thermowells and Head and Well Assemblies, Transmitters, Thermocouple Wire, RTD Probes

• 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

• Data Acquisition

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

• 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