

# PLATFORM LOAD CELL FOR WASHDOWN APPLICATIONS STANDARD AND METRIC MODELS

## 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

## LCAD/LCMAD Series



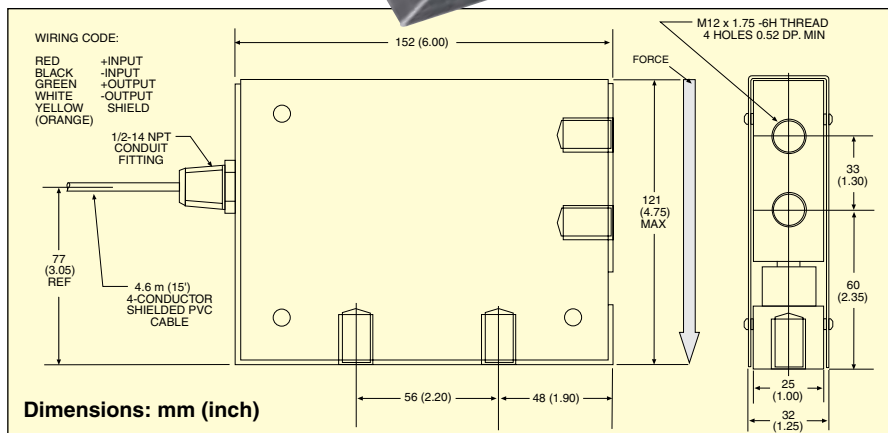
Standard

**STANDARD**  
**LCAD-250**  
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

## SPECIFICATIONS

**Output:** 2.1 mV/V ±0.1mV/V

**Excitation:** 10 Vdc (15V maximum)

**Linearity:** ±0.02% FSO

**Hysteresis:** ±0.02% FSO

**Repeatability:** ±0.02% FSO

**Creep:** ±0.03% FSO (20 minimum)

**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)

## To Order

CAPACITY		MODEL NO.	COMPATIBLE METERS*
<b>STANDARD MODELS</b>			
23 kgf	50 lb	<b>LCAD-50</b>	DPiS, DP41-S, DP25B-S
45 kgf	100 lb	<b>LCAD-100</b>	DPiS, DP41-S, DP25B-S
114 kgf	250 lb	<b>LCAD-250</b>	DPiS, DP41-S, DP25B-S
227 kgf	500 lb	<b>LCAD-500</b>	DPiS, DP41-S, DP25B-S
341 kgf	750 lb	<b>LCAD-750</b>	DPiS, DP41-S, DP25B-S
455 kgf	1000 lb	<b>LCAD-1K</b>	DPiS, DP41-S, DP25B-S
<b>METRIC MODELS</b>			
25 kgf	55 lb	<b>LCMAD-25</b>	DPiS, DP41-S, DP25B-S
50 kgf	110 lb	<b>LCMAD-50</b>	DPiS, DP41-S, DP25B-S
250 kgf	550 lb	<b>LCMAD-250</b>	DPiS, DP41-S, DP25B-S
500 kgf	1100 lb	<b>LCMAD-500</b>	DPiS, DP41-S, DP25B-S

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

\* Visit us online for compatible meters.

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

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