

# PLANAR BEAM LOAD CELL

## LOW PROFILE DESIGN FOR PLATFORM SCALES



### LCPW Series



- ✓ All Aluminum Construction
- ✓ Low Profile Design
- ✓ Low Cost for OEM Applications
- ✓ IP67 Environmental Rating
- ✓ 7.5, 15, 20, 37.5, 75 and 100 kg Ranges
- ✓ ROHS Compliant

TRODEX's LCPW Series planar beam load cells are low cost OEM style, commonly used in a variety of weighing applications. They are normally installed in sets of 3 or 4 under a platform in conjunction with a summing network. It's low profile construction is ideal for scale design where space is limited such as postal scales, airport baggage scales or retail checkout scales.

### SPECIFICATIONS

**Excitation:** 5 Vdc, 15 Vdc maximum

**Output:** 0.9 mV/V  $\pm$  0.1%

**Linearity:**  $\pm$  0.02% FS

**Hysteresis:**  $\pm$  0.02% FS

**Zero Balance:**  $\pm$  5% FS

**Creep (in 30 Minutes):**  $\pm$  0.06% FS

**Operating Temp Range:** -10 to 65°C (14 to 149°F)

**Compensated Temp Range:** -10 to 40°C (14 to 104°F)

#### Thermal Effects:

**Span:**  $\pm$  0.04% FS/°C (0.022%/°F)

**Zero:**  $\pm$  0.02% FS/°C (0.011%/°F)

**Safe Overload:** 300% of capacity

**Ultimate Overload:** 400% of capacity

**Terminal Resistance:**

**Input:** 1180  $\pm$  50  $\Omega$

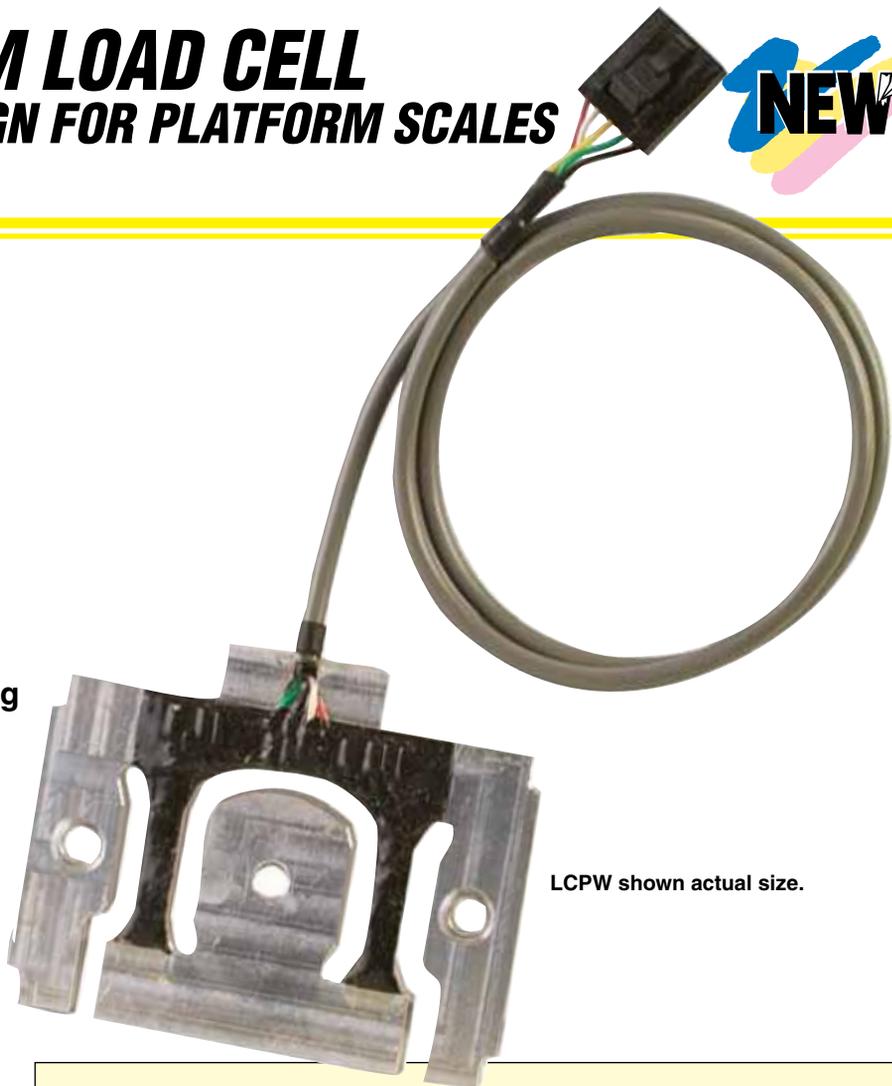
**Output:** 1000  $\pm$  10  $\Omega$

**Construction:** Aluminum

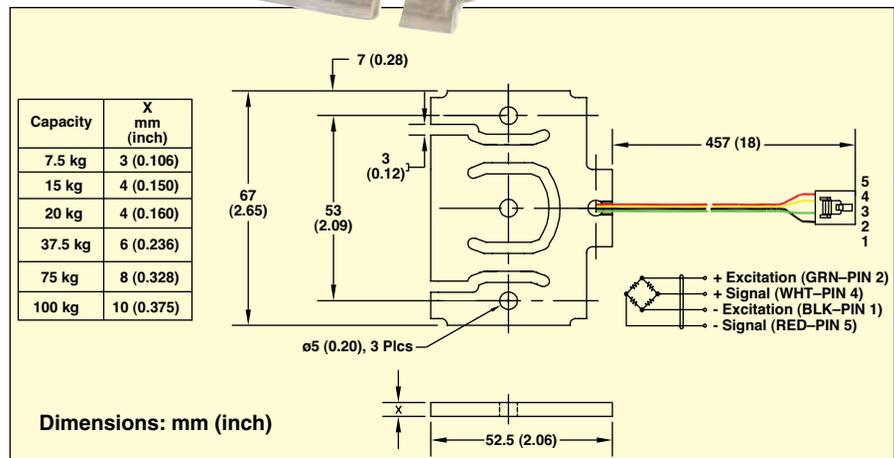
**Environmental Rating:** IP67

**Electrical Connection:** 457 mm (18"), 4 conductor with Amp# 5-103957-4 connector

**Insulation Resistance:** > 5000M  $\Omega$



LCPW shown actual size.



### To Order

CAPACITY		MODEL NO.	COMPATIBLE METERS
kg	lb		
7.5	16.5	LCPW-7.5	DP25B-S, DP41-S, DPiS
15	33	LCPW-15	DP25B-S, DP41-S, DPiS
20	44	LCPW-20	DP25B-S, DP41-S, DPiS
37.5	83	LCPW-37.5	DP25B-S, DP41-S, DPiS
75	165	LCPW-75	DP25B-S, DP41-S, DPiS
100	220	LCPW-100	DP25B-S, DP41-S, DPiS

Ordering Example: LCPW-20, planar beam load cell with 0 to 20 kg range.