

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 Ω

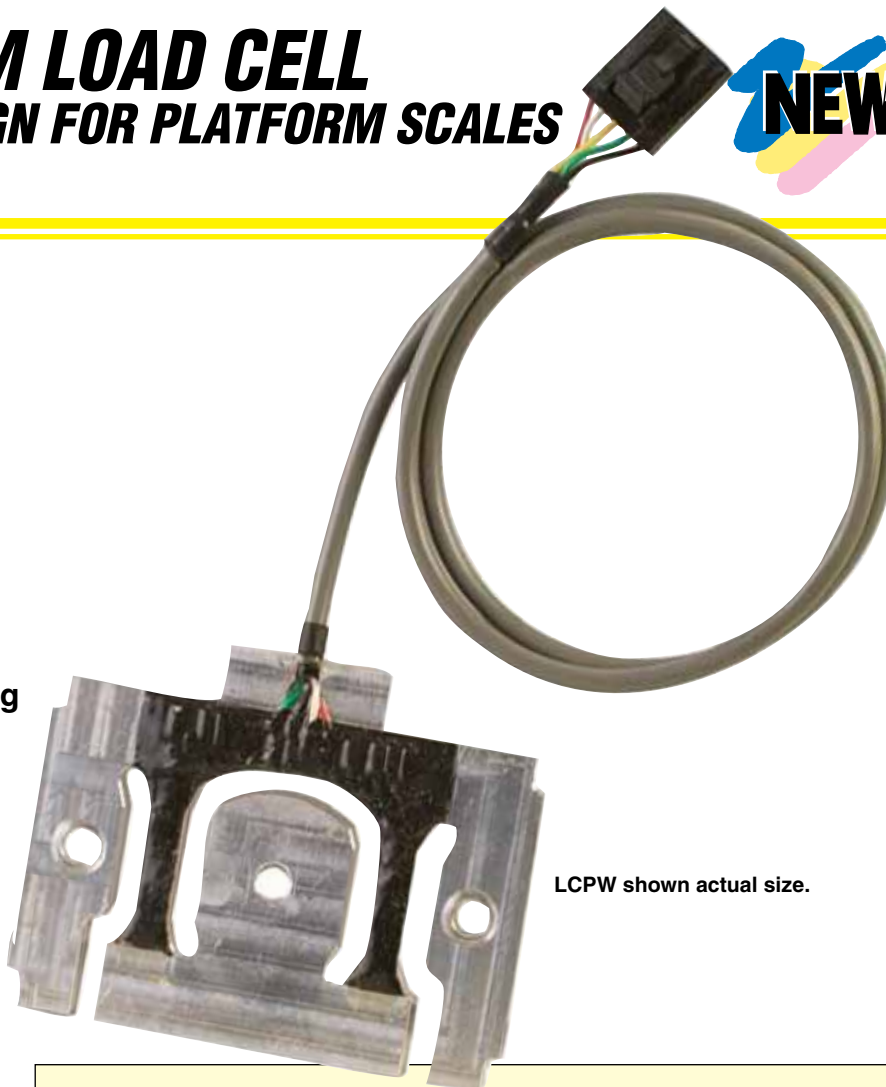
Output: 1000 \pm 10 Ω

Construction: Aluminum

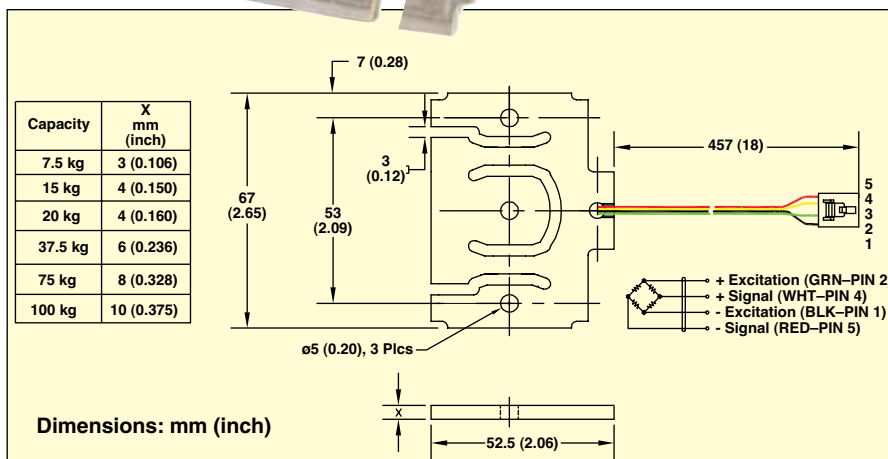
Environmental Rating: IP67

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

Insulation Resistance: > 5000M Ω



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.