

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

OMEGA'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

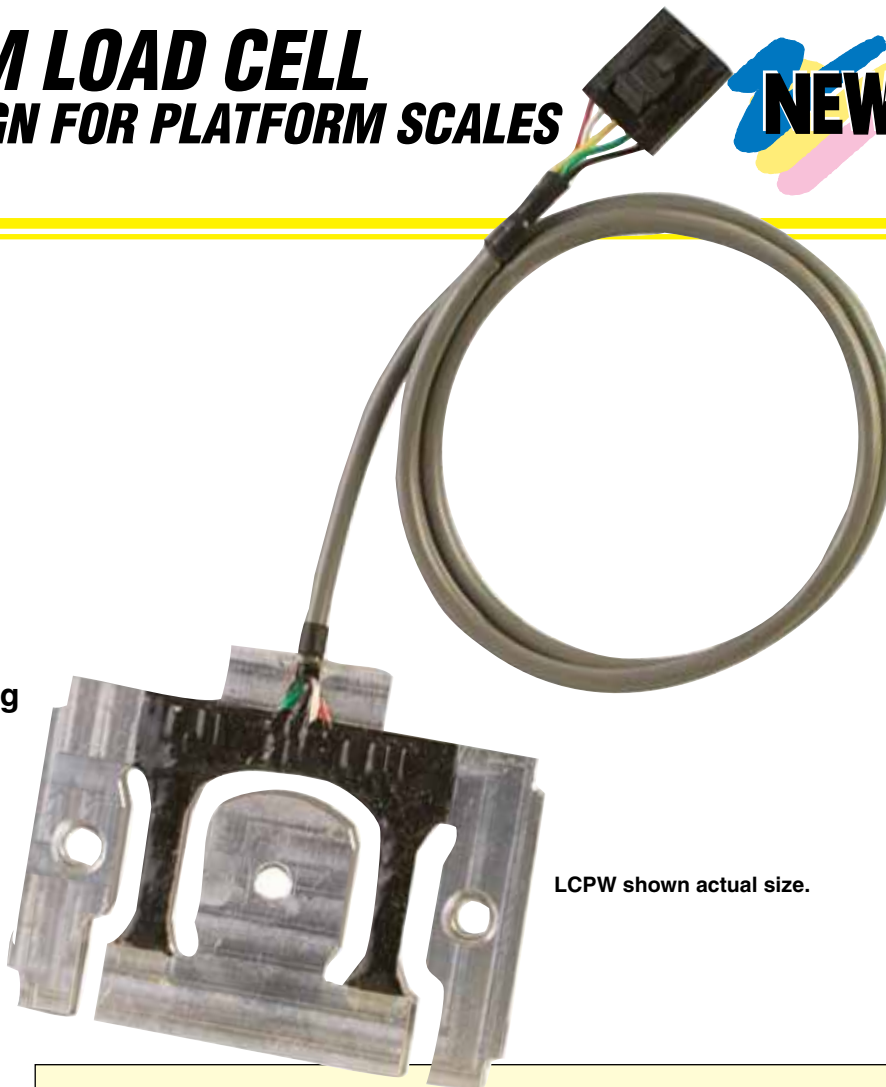
Output: 1000 $\pm$ 10 Ω

Construction: Aluminum

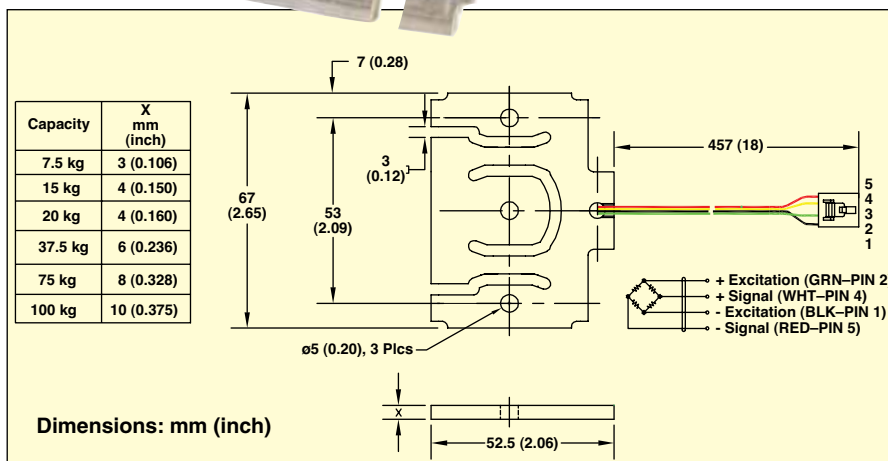
Environmental Rating: IP67

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

Insulation Resistance: > 5000M Ω



LCPW shown actual size.



To Order Visit omega.com/lcpw for Pricing and Details

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.