

PLANAR BEAM LOAD CELL

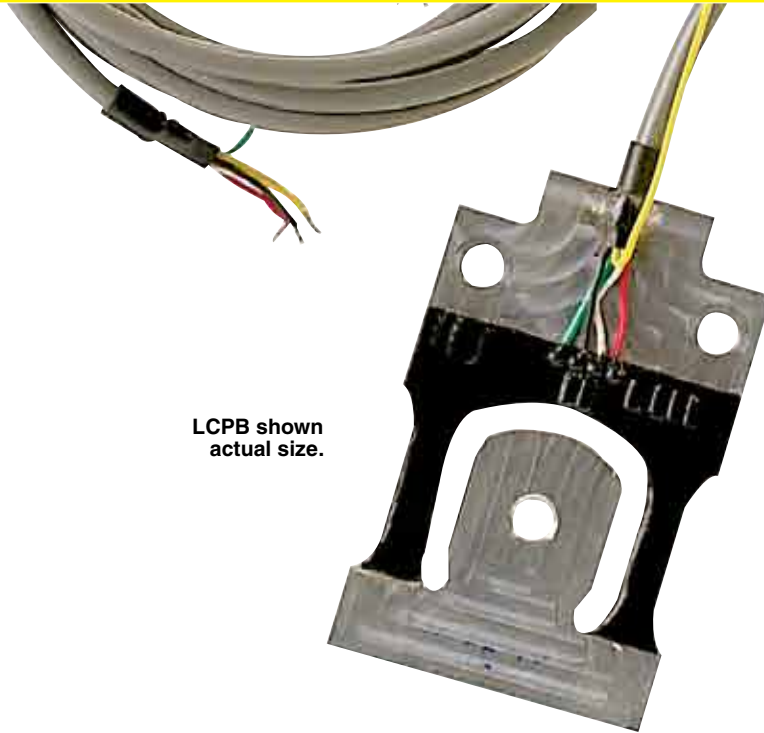
LOW PROFILE DESIGN FOR PLATFORM SCALES



LCPB Series



- ✓ All Aluminum Construction
- ✓ Low Profile Design
- ✓ Low Cost for OEM Applications
- ✓ IP67 Environmental Rating
- ✓ 5, 10, 20 and 100 kg Ranges

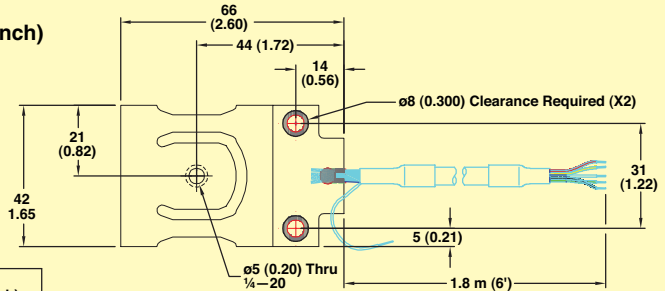


OMEGA's LCPB Series planar beam load cells are low cost OEM style, commonly used in a variety of weighing applications. They are normally installed in sets of 3 or 4 under a platform in conjunction with a summing network. It's low profile construction is ideal for scale design where space is limited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

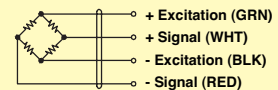
SPECIFICATIONS

- Excitation:** 5 Vdc, 15 Vdc maximum
- Output:** 1 mV/V \pm 0.1%
- Linearity:** \pm 0.02% FS
- Hysteresis:** \pm 0.01% FS
- Zero Balance:** \pm 5% FS
- Creep (in 30 minutes):** \pm 0.03% FS
- Operating Temp Range:** -10 to 100°C (14 to 212°F)
- Compensated Temp Range:** -10 to 100°C (14 to 212°F)
- Thermal Effects:**
 - Span:** \pm 0.005% FS/°C (0.003/°F)
 - Zero:** \pm 0.005% FS/°C (0.003/°F)
- Safe Overload:** 300% of capacity
- Ultimate Overload:** 400% of capacity
- Terminal Resistance:**
 - Input:** 1165 \pm 50 Ω
 - Output:** 1000 \pm 10 Ω
- Construction:** Aluminum
- Environmental Rating:** IP67
- Electrical Connection:** 1.8 m (6'), 28 AWG, 4 conductor shielded cable
- Insulation Resistance:** > 5000M Ω

Dimensions: mm (inch)



CAPACITY	X mm (inch)
5 kg	2 (0.080)
10 kg	3 (0.118)
20 kg	4 (0.160)
100 kg	10 (0.375)



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

CAPACITY		MODEL NO.	"X" DIMENSION mm (inch)	COMPATIBLE METERS
kg	lb			
5	11	LCPB-5	2.03 (0.080)	DP25B-S, DP41-S, DPIS
10	22	LCPB-10	3.00 (0.118)	DP25B-S, DP41-S, DPIS
20	44	LCPB-20	4.06 (0.160)	DP25B-S, DP41-S, DPIS
100	220	LCPB-100	9.53 (0.375)	DP25B-S, DP41-S, DPIS

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