

# ECONOMICAL BENDING BEAM LOAD CELLS

**Bi-directional**  
**0-1 kg to 0-5 kg**  
**0-2.2 lb to 0-11 lb**

## LCEA Series



LCEA-2KG, with  
 DP25B-S meter,  
 shown actual size.

- ✓ **Economical Design—**  
**Ideal for OEM Use**
- ✓ **All-Aluminum**  
**Construction**
- ✓ **1, 2, and 5 kg Ranges**

The LCEA Series comprises economical bending beam load cells suitable for a variety of industrial and OEM force measurement and weighing applications. They are made of an aluminum alloy and come in 1, 2, and 5 kg ranges.

### SPECIFICATIONS

**Output:** 0.5 mV/V  $\pm 10\%$   
 (end user must calibrate to eliminate 10%)

**Excitation:** 5 Vdc (8 Vdc max)

**Non-Linearity:** 0.5% FS

**Hysteresis:** 0.3% FS

**Zero Balance:**  $\pm 1$  mV/V

**Operating Temperature:**  
 -10 to 80°C (14 to 176°F)

**Compensated Temperature:**  
 0 to 65°C (32 to 140°F)

**Temp Effect:**

Zero:  $\pm 0.1\%$  FS/°C

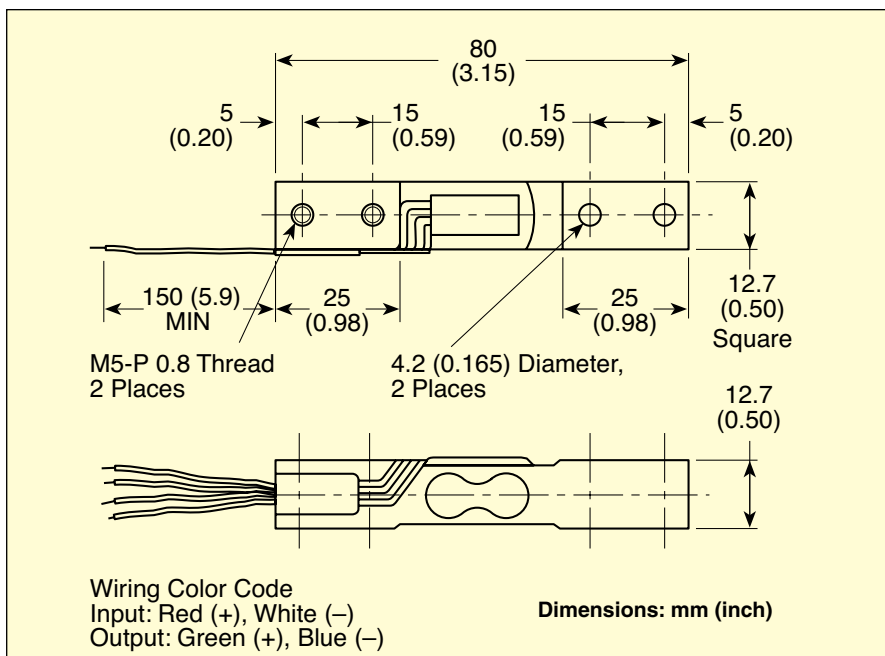
Span:  $\pm 0.1\%$  rdg/°C

**Bridge Resistance:** 350  $\Omega$

**Safe Overload:** 200% FS

**Construction:** Aluminum with acrylic resin protective coating

**Lead Wire:** 6", 30 AWG, pigtail leads



### To Order

CAPACITY		MODEL NO.	COMPATIBLE METERS*
kg	lb		
1	2.2	LCEA-1KG	DP25B-S, DP41-S, DP87
2	4.4	LCEA-2KG	DP25B-S, DP41-S, DP87
5	11	LCEA-5KG	DP25B-S, DP41-S, DP87

Ordering Example: LCEA-2KG, 2 kg load cell.