

# 0.75" DIAMETER STAINLESS STEEL COMPRESSION LOAD CELL

## 0-25 lb TO 0-1000 lb CAPACITIES

### LC302 Series

#### Compression

0-25 lb to 0-1000 lb

0-11 kg to 0-455 kg

1 Newton = 0.2248 lb

1 daNewton = 10 Newtons

1 lb = 454 g

1 t = 1000 kg = 2204 lb

All Models  
**\$295**



- ✓ Small 19 mm (0.75") Dia.
- ✓ Low 13 mm (0.5") Profile
- ✓ Robotic and Test Bench Applications
- ✓ Built-In Load Button for Easy Installation
- ✓ 5-Point Traceable Calibration Provided

The LC302 Series load cells are only 19 mm (¾") in diameter and fit in the smallest places. Their high ±0.5% accuracy and small package solve many industrial force measurement applications. The all stainless steel construction and high-quality strain gage ensure long-term reliability.

### SPECIFICATIONS

**Excitation:** 5 Vdc, 15 Vdc max

**Output:** 1 mV/V (nominal)

**Accuracy:** ±0.5% FSO linearity, hysteresis, repeatability combined

**5-Point Calibration:**

0%, 50%, 100%, 50%, 0%

**Zero Balance:** ±2% FSO

**Operating Temp Range:**

-54 to 125°C (-65 to 250°F)

**Compensated Temp Range:**

16 to 71°C (60 to 160°F)

**Thermal Effects:**

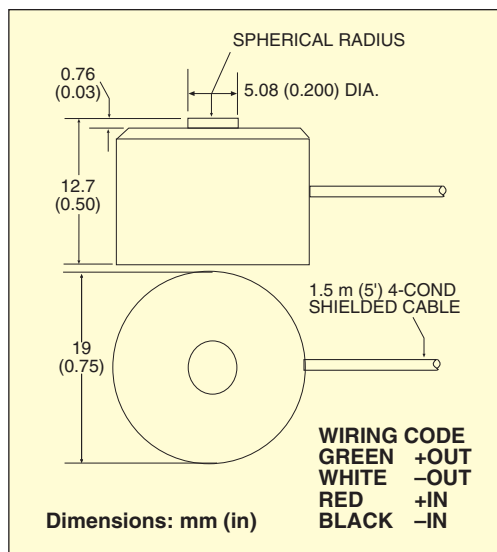
**Zero:** 0.009% FSO/°F

**Span:** 0.036% FSO/°F

**Safe Overload:** 150% of capacity

**Protection Class:** IP54

**Deflection:** 0.03 to 0.08 mm  
(0.001 to 0.003")



LC302-1K, \$295,  
shown actual size.



CNiS8DH strain meter/controller,  
\$400, shown smaller than actual  
size. See pages D-15 to  
D-16 for details.



**Ultimate Overload:** 300% of capacity

**Bridge Resistance:** 350 Ω minimum

**Construction:** Stainless steel

**Electrical Connection:** 1.5 m (5')

4-conductor insulated cable

with temperature compensation board

**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

CAPACITY		MODEL NO.	PRICE	COMPATIBLE METERS*
lb	kg			
25	11	LC302-25	\$295	DPiS, DP41-S, DP25B-S
50	23	LC302-50	295	DPiS, DP41-S, DP25B-S
100	45	LC302-100	295	DPiS, DP41-S, DP25B-S
250	114	LC302-250	295	DPiS, DP41-S, DP25B-S
500	227	LC302-500	295	DPiS, DP41-S, DP25B-S
1000	455	LC302-1K	295	DPiS, DP41-S, DP25B-S

Comes with 5-point NIST-traceable calibration. \* See section D for compatible meters.

**Ordering Examples:** LC302-25, 25 lb capacity load cell, \$295. LC302-100, 100 lb capacity load cell, \$295.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
ME-1804	\$125	Reference Book: Mechanical Design Handbook

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