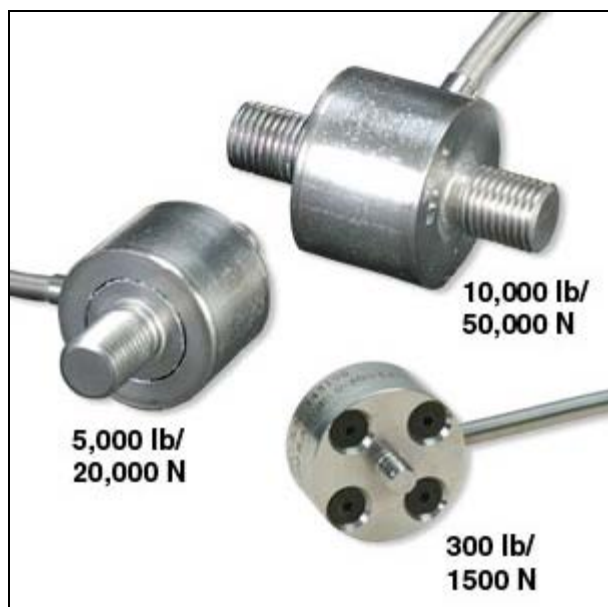


## Miniature Universal Load Cells, Stud Mount Style, 1" to 1.38" Diameter LC202



- ✓ Miniature Package for Test Stands and Difficult Locations
- ✓ Rugged, Heavy Duty Construction
- ✓ Dual Mounting Studs for Easy Installation
- ✓ 5-Point Calibration with 59 kOhm Shunt Cal Data

NEWPORT's LC202 Series Load Cell offers the designer a compact series with ranges from 50 lb to 10,000 lb and accuracy of 0.25%. The all stainless steel construction and rugged design assure long life in industrial and commercial applications.

**The LC202 is also available in metric configurations, with ranges from 0-100 to 0-50,000 N and metric threads. Please contact our Pressure department for more information.**

### SPECIFICATIONS

**Excitation:** 10 Vdc, 15 Vdc max

**Output:** 2 mV/V nominal

**Accuracy:**  $\pm 0.25\%$  FSO (linearity, hysteresis, repeatability combined)

**5-Point Calibration:** 0%, 50%, 100%, 50%, 0%

**Zero Balance:**  $\pm 2\%$  FSO

**Operating Temp Range:** -54 to 121°C (-65 to 250°F)

**Compensated Temp Range:** 16 to 71°C (60 to 160°F)

#### Thermal Effects:

**Zero:** 0.009% FSO/°C

**Span:** 0.009% FSO/°C

**Safe Overload:** 150% of capacity

**Ultimate Overload:** 300% of capacity

**Input Resistance:** 360  $\Omega$  minimum

**Output Resistance:** 350  $\pm 10$   $\Omega$

**Construction:** Stainless steel

**Electrical:** 1.5 m (5') 4-conductor cable

**Protection Class:** IP65

**Product Selection** (Specify Model Number, see variations below in partnumber builder table)

Part Number	Description	Qty.
LC202-50	0-50 lb miniature tension and compression load cell	
LC202-100	0- 100 lb miniature tension and compression load cell	
LC202-300	0- 300 lb miniature tension and compression load cell	
LC202-500	0- 500 lb miniature tension and compression load cell	
LC202-1K	0- 1,000 lb miniature tension and compression load cell	
LC202-2K	0- 2,000 lb miniature tension and compression load cell	
LC202-3K	0- 3,000 lb miniature tension and compression load cell	
LC202-5K	0- 5,000 lb miniature tension and compression load cell	
LC202-7.5K	0-7,500 lb miniature tension and compression load cell	
LC202-10K	0-10,000 lb miniature tension and compression load cell	

**Accessories**

REC-010F	Swivel Rod End for 50 to 500 lb ranges
REC-014F	Swivel Rod End for 1000 lb range
REC-038F	Swivel Rod End for 2000 to 3000 lb ranges
REC-012F	Swivel Rod End for 4000 to 5000 lb ranges
REC-034F	Swivel Rod End for 7500 to 10,000 lb ranges

**Compatible Meters**

DP25B-S	4-Digit strain meter with excitation
DP41-S	6-Digit strain meter with excitation
DMD-465	Bipolar Strain Amplifier
DMD4059	DIN Rail mount unipolar strain signal conditioner



**Note:** All LC202 Series load cells include a 5 point NIST traceable calibration certificate.

## Part Number Builder

(1)

LC202- 50

### Option Descriptions

(1)

#### *Select*

**50** for 50 lb range

**100** for 100 lb range

**300** for 300 lb range

**500** for 500 lb range

**1K** for 1000 lb range

**2K** for 2000 lb range

**3K** for 3000 lb range

**4K** for 4000 lb range

**5K** for 5000 lb range

**7.5K** for 7500 lb range

**10K** for 10000 lb range

**NOTE:** All combinations may not be valid, check spec sheet for valid part numbers.