

Load Cells

Choose the Correct Sensor...

Accurate. Repeatable. Reliable.

Starrett FLC Series load cell sensors are full-bridge sensors designed for force measurement applications. Our load cells are temperature compensated and have a measurement accuracy of $\pm 0.1\%$ full scale throughout the entire range of the sensor's rated capacity.

All Starrett load sensors are supplied with a NIST-traceable Certificate of Calibration. All sensor types are "plug & play" and comply with IEEE 1451.4. All sensors meet or exceed ASTM E4, BS 1610, DIN 51221, ISO 7500-1 EN10002-2 and AFNOR A03-501 standards when calibrated on-site by an authorized Starrett service representatives.



FLC-P

"Premium" Series

Starrett premium FLC Series load cell sensors feature a 1000% safe overload protection. Capacities range from 5N (1 lbf) to 250N (56 lbf).

PREMIUM FLC Series Load Cells	
Model	Capacity
FLC-5P	5N / 1lbf / 0.5kgf
FLC-10P	10N / 2lbf / 1kgf
FLC-25P	25N / 5lbf / 2.5kgf
FLC-50P	50N / 11lbf / 5kgf
FLC-100P	100N / 22lbf / 10kgf
FLC-250P	250N / 56lbf / 25kgf
<i>Resolution is 10,000:1</i>	

FLC-S

"Sealed" Series

These Starrett sensors are environmentally sealed making them more suitable for applications where dirt, dust or other environmental conditions may be present. Capacities range from 200N (50 lbf) to 5kN (1124 lbf).

SEALED FLC Series Load Cells	
Model	Capacity
FLC-500	500N / 112lbf / 50kgf
FLC-1000	1000N / 225lbf / 100kgf
FLC-2KN	2000N / 450lbf / 200kgf
FLC-5KN	5000N / 1125lbf / 500kgf
<i>Resolution is 10,000:1</i>	

FLC-E

"Economy" Series

Starrett economy sensors are ideal for most force measurement applications. Available in capacities up to 5000N (1124 lbf), they have a safe overload of 150% full scale.

ECONOMY FLC Series Load Cells	
Model	Capacity
FLC-50E	50N / 11lbf / 5kgf
FLC-100E	100N / 22lbf / 10kgf
FLC-200E	200N / 44lbf / 20kgf
FLC-500E	500N / 112lbf / 50kgf
FLC-1000E	1000N / 225lbf / 100kgf
FLC-2000E	2000N / 450lbf / 200kgf
FLC-5000E	5000N / 1124lbf / 500kgf
<i>Resolution is 10,000:1</i>	

Features & Specifications

- $\pm 0.1\%$ Measurement Accuracy
- Temperature Compensated
- TEDs Identification per IEEE 1451.4
- Supplied with NIST Certificate of Calibration
- Safe Overloads up to 1000% Capacity
- Low Creep
- May be Calibrated to ASTM E4 and ISO 7500