

We manufacture more than 60 different types of load cells and mini load cells at Interface.

We have capacities ranging from 1 lbf / 500 gf to 2 million lbf / 9,000 kN. Our facility produces them in several shapes and sizes. Models include pancake load cell and donut load cell in our LowProfile® load cell and thru-hole load cell. Additionally, our canister, rod end, downhole, column, coil tubing, load buttons, and load washers all use our proprietary alloy strain gages. This helps us produce the most accurate and reliable data possible in test and measurement. With the wide variety of load cell specs in stock, most customers are able to use an off-the-shelf application. However, our engineers can also work with you to design a custom load cell to fit your exact needs. Contact us so that we can help you find a solution that fits your requirements.

In-House CNC Machining

- Total control of manufacture and quality standards

Moment Compensated during Production

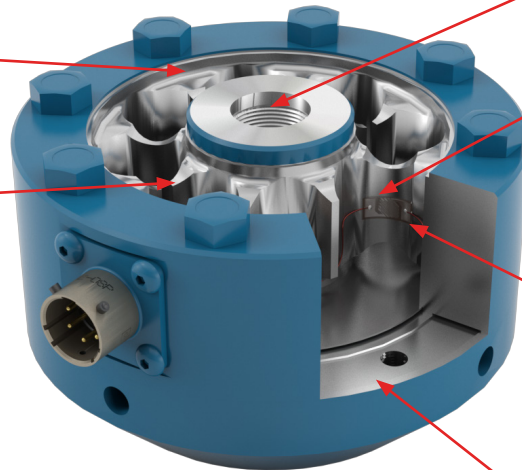
- Reduces the effects of off-axis loads

TRUE Fatigue Specification

- Fully reversed cycles through zero at full capacity

Class Leading Performance

- Published accuracy (Static Error Band) specification as low as $\pm 0.02\%FS$ and actual performance as low as $\pm 0.01\%FS$ on a regular basis
- Will never be less accurate than published spec



High Quality Threads

- 0.002" perpendicularity
- 0.003" concentricity

Proprietary High Output Strain Gages

- Matched to flexure for best performance
- 8-16 Strain Gages per bridge

Temperature Compensated Strain Gages

- No signal loss from compensation resistors
- Measures temperature at the strain gage

Accurate Machined Base (0.0002" flatness)

- Provides excellent mounting surface

Proprietary Strain Gages

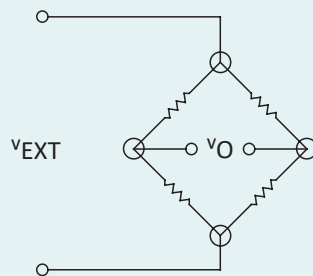
- Higher output
- Higher signal to noise ratio
- Higher resolution
- Superior fatigue life

R_m = Modulus compensating resistor

R_{msh} = Fine trim for R_m

R_i = Bridge input resistance trim

Interface Load Cell



Typical Competitor's Load Cell

