

# LFS 242 - TENSION/COMPRESSION CELL

The LFS 242 is a low range load cell, which provides high accuracy for weighing or force measurement applications. This cell is made of aluminum, but is durable enough for most applications. The LFS 242 has 10-32 UNC threads on both ends of the transducer for easy installation.

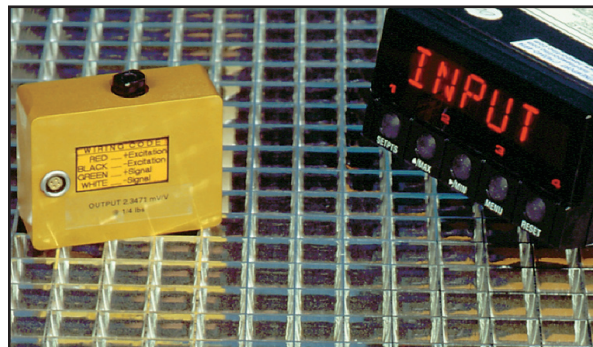
## SPECIFICATIONS

|                    |  |
|--------------------|--|
| LOAD RANGES:       | .25 lb to 100 lb                                     |
| LINEARITY:         | ±0.05%   |
| HYSTERESIS:        | ±0.05%   |
| REPEATABILITY:     | ±0.05%   |
| MATERIAL:          | Aluminum   |
| TEMPERATURE RANGE: | 60° to 160° F  |
| OUTPUT:            | 2 mv/v   |
| BRIDGE RESISTANCE: | 1000 ohm   |
| EXCITATION:        | 18Vdc Max  |
| SAFE OVERLOAD:     | 150% of capacity                                     |
| CABLE:             | Connector & cable assembly optional - 10 Ft standard |

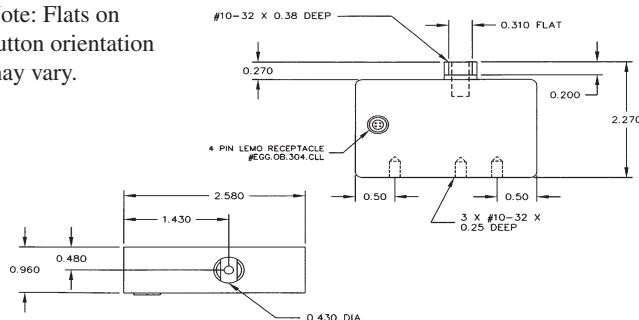
## AVAILABLE RANGES

.25, .5, 1, 2.2, 5, 10, 25, 50, 100 lbs.

- ALUMINUM CONSTRUCTION
- COMPACT SIZE
- HIGH ACCURACY



Note: Flats on button orientation may vary.



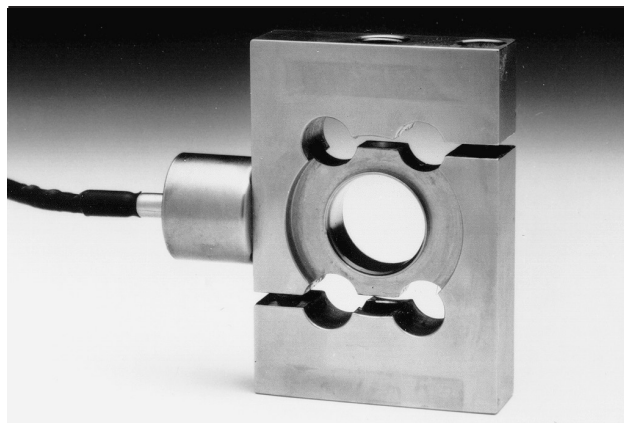
# LFS 250 - HERMETICALLY SEALED S-BEAM

The LFS 250 is a dual cantilevered, hermetically sealed, stainless steel beam load cell. This cell is designed for both tension and compression and harsh environments, where other cells will not work. It is capable of withstanding significant side load without physical damage. The LFS 250 uses proven sealing techniques that provide superior waterproofing and combines welded metal seals and a water block cable entry system which will resist leakage.

## SPECIFICATIONS

|                    |                   |
|--------------------|-------------------|
| LOAD RANGES:       | 100 to 10,000 lbs |
| ACCURACY:          | 0.03% F.S.        |
| REPEATABILITY:     | 0.01% F.S.        |
| MATERIAL:          | Stainless Steel   |
| TEMPERATURE RANGE: | 0° to 150° F      |
| OUTPUT:            | 3 ±.003 mv/v      |
| BRIDGE RESISTANCE: | 350 ohm           |
| EXCITATION:        | 15Vdc Max         |
| SAFE OVERLOAD:     | 150% F.S.         |
| CABLE:             | 30 Ft             |

- 100 TO 10,000 LBS
- WELDED STAINLESS STEEL
- EXCEEDS NEMA 6 FOR WASHDOWN



| AVAILABLE RANGES | A"   | B"   | C"   | D"   | F"         |
|------------------|------|------|------|------|------------|
| 100, 250 lb      | 3.32 | 2.48 | 0.94 | 3.36 | 3/8-24 UNF |
| 500 lb           | 3.50 | 2.44 | 0.71 | 3.32 | 1/2-20 UNF |
| 1000 lb          | 3.50 | 2.94 | 0.71 | 3.81 | 1/2-20 UNF |
| 2500 lb          | 3.75 | 2.44 | 0.95 | 3.31 | 1/2-20 UNF |
| 5,000, 10,000 lb | 4.75 | 2.44 | 1.44 | 3.31 | 1-14 UNS   |

