

## Low Profile Bending Beam

### FEATURES

- Rated capacities of 25 to 500 pounds
- Tension or compression loading capabilities
- Compact, low profile design
- *Sensorgage*™ sealed to IP65 standards
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G. Also, non-incendive ratings (No barriers!)

#### • Optional

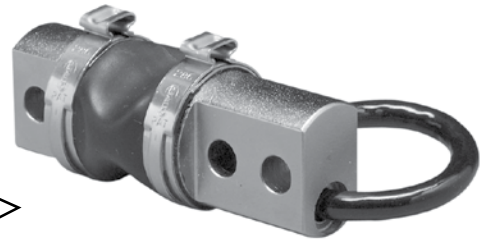
- Companion tank weighing assemblies available (65059 TWA)

### APPLICATIONS

- Bin and hopper weighing
- Belt conveyor scales
- Netweighing

### DESCRIPTION

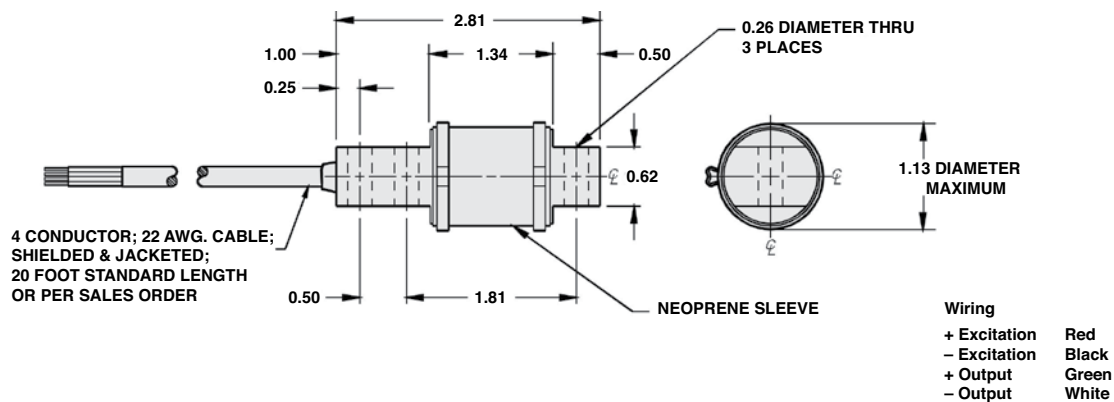
The 60040 is a compact, low capacity, alloy-steel, high-precision bending-beam load cell.



This product's small size and accuracy makes it ideal for applications that demand high performance from a small package. This load cell is commonly used in platform scales, conveyor scales, and varied process weighing applications.

This product is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environments. It is also available with mounting accessories under Weighing Assembly Model 65059.

### OUTLINE DIMENSIONS in inches



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| <b>SPECIFICATIONS</b>                   |                            |                |
|-----------------------------------------|----------------------------|----------------|
| <b>PARAMETER</b>                        | <b>VALUE</b>               | <b>UNIT</b>    |
| Rated capacity—R.C. (E <sub>max</sub> ) | 25, 50, 100, 150, 250, 500 | lbs            |
| NTEP/OIML accuracy class                | Standard                   |                |
| Maximum no. of intervals (n)            | –                          |                |
| Rated output—R.O.                       | 2.0                        | mV/V           |
| Rated output tolerance                  | +0.25 to –10               | ±% mV/V        |
| Zero balance                            | 1.0                        | ±% FSO         |
| Combined error                          | 0.03                       | ±% FSO         |
| Non-repeatability                       | 0.01                       | ±% FSO         |
| Creep error (20 minutes)                | 0.03                       | ±% FSO         |
| Temperature effect on zero              | 0.0015                     | ±% FSO/°F      |
| Temperature effect on output            | 0.0008                     | ±% of load/°F  |
| Compensated temperature range           | 14 to 104 (–10 to 40)      | °F (°C)        |
| Operating temperature range             | 0 to 150 (–18 to 65)       | °F (°C)        |
| Storage temperature range               | –60 to 185 (–50 to 85)     | °F (°C)        |
| Maximum safe central overload           | 150                        | % of R.C.      |
| Ultimate central overload               | 300                        | % of R.C.      |
| Excitation, recommended                 | 10                         | VDC or VAC RMS |
| Excitation, maximum                     | 15                         | VDC or VAC RMS |
| Input impedance                         | 380–450                    | Ω              |
| Output impedance                        | 349–355                    | Ω              |
| Insulation resistance at 50 VDC         | >1000                      | MΩ             |
| Material                                | Nickel-plated alloy steel  |                |
| Environmental protection                | IP65                       |                |

FSO—Full Scale Output

All specifications subject to change without notice.

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