

LOW HEIGHT COLUMN 2029/2030 SERIES FORCE TRANSDUCERS

FEATURES

- Sealed for Environmental Protection
- Water Immersion to 300 ft.
- Integral Cable
- External Male Threads
- 5pt Tension & Compression Calibration
- Proprietary Modulus Compensated Strain Gages
- Optional Female Thread
- Metric Capacities Available- Consult Factory



Note: shown with Optional Female Threads.

SPECIFICATIONS

| Model | 2029 | 2030 |
|---------------------------------------|-----------------|-----------------|
| Capacity U.S. lbf. | 500, 1000, 5K | 2.5K, 5K, 7.5K |
| PARAMETERS | | |
| ACCURACY | | |
| Static Error Band, % Rated Output | +/-0.250 | +/-0.250 |
| Nonlinearity, % Rated Output | +/-0.250 | +/-0.250 |
| Hysteresis, % Rated Output | +/-0.150 | +/-0.150 |
| Nonrepeatability, % Rated Output | +/-0.050 | +/-0.050 |
| Creep, % in 20 minutes | +/-0.030 | +/-0.030 |
| Zero Balance, % Rated Output | +/-1.0 | +/-1.0 |
| TEMPERATURE | | |
| Range, Compensated, °F | +15 to +115 | +15 to +115 |
| Range, Compensated, °C | -10 to +45 | -10 to +45 |
| Range, Operating, °F | -65 to +200 | -65 to +200 |
| Range, Operating, °C | -55 to +90 | -55 to +90 |
| Effect on Sensitivity, % Rdg/ °F | +/-0.0015 | +/-0.0015 |
| Effect on Sensitivity, % Rdg/ °C | +/-0.0027 | +/-0.0027 |
| Effect on Zero, % Rated Output/ °F | +/-0.0015 | +/-0.0015 |
| Effect on Zero, % Rated Output/ °C | +/-0.0027 | +/-0.0027 |
| ELECTRICAL | | |
| Rated Output, mV/V, Nominal | 1 | 1 |
| Excitation Voltage, VDC Maximum | 15 | 15 |
| Input Resistance, Ohms | 1000 +100/-10 | 1000 +100/-10 |
| Output Resistance, Ohms | 1000 +100/-10 | 1000 +100/-10 |
| Insulation Resistance, Megohm | 5000 (@ 50VDC) | |
| MECHANICAL | | |
| Safe Overload Range, % Rated Capacity | +/-150 | +/-150 |
| Weight lb | 0.7 | 0.8 |
| Flexure Material | Stainless Steel | Stainless Steel |

DIMENSIONS

| Model | 2029 | 2030 |
|------------|-------------------|--------------------|
| Capacity | 500, 1000, 5K lbf | 2.5K, 5K, 7.5K lbf |
| Dimensions | inch | inch |
| 1. | 3.50 | 3.50 |
| 2. | 1.70 | 1.70 |
| 3. | R 1.57 | R 1.57 |
| 4. | 5/8-18 | 3/4-16 |
| 5. | .75 | .75 |

