

COMPACT LOAD CELLS

LOW HEIGHT COLUMN (2029/2030 SERIES) FORCE TRANSDUCERS

FEATURES

- Sealed for Environmental Protection
- Water Immersion to 300 ft.
- Integral Cable
- External Male Threads



SPECIFICATIONS

| PARAMETERS | MODEL | |
|---|-----------------|-----------------|
| | 2029 | 2030 |
| | CAPACITY (lbf) | |
| | 500, 1000 | 2.5K, 5K, 7.5K |
| Accuracy | | |
| Static Error Band, % R.O. | +/- 0.25 | +/- 0.25 |
| Non linearity, % R.O.. | +/- 0.25 | +/- 0.25 |
| Hysteresis, % R.O. | +/- 0.15 | +/- 0.15 |
| Non-Repeatability, % R.O. | +/- 0.05 | +/- 0.05 |
| Creep, % Reading in 20 Minutes | +/- 0.03 | +/- 0.03 |
| Zero Balance, % R.O. | +/- 1.0 | +/- 1.0 |
| Temperature | | |
| Range, Compensated, °F | +15 to +115 | +15 to +115 |
| Range, Operating, °F | -65 to +200 | -65 to +200 |
| Effect on Sensitivity, % Rdg/100 °F | 0.15 | 0.15 |
| Effect on Zero, %R.O./100 °F | 0.15 | 0.15 |
| Electrical | | |
| Excitation Voltage, Recommended, Vdc | 10 | 10 |
| Input resistance, Ohms | 1000 +100/-10 | 1000 +100/-10 |
| Output Resistance, Ohms | 1000 +100/-10 | 1000 +100/-10 |
| Sensitivity (Rated Output), mV/V, Nominal | 1 | 1 |
| Insulation Resist., Bridge/Case, Meg Ohm | 5000 (@ 50 VDC) | 5000 (@ 50 VDC) |
| Mechanical | | |
| Safe Overload Range, % R.O. | 150 | 150 |
| Flexure Material | Aluminum | Stainless Steel |

OPTIONS

- Dual bridge
- Output adjustment to standard value
- Female thread (one or both ends)

ACCESSORIES

- Loading fixtures
- Shunt calibration resistor
- Instrumentation

Consult factory for dimensions.