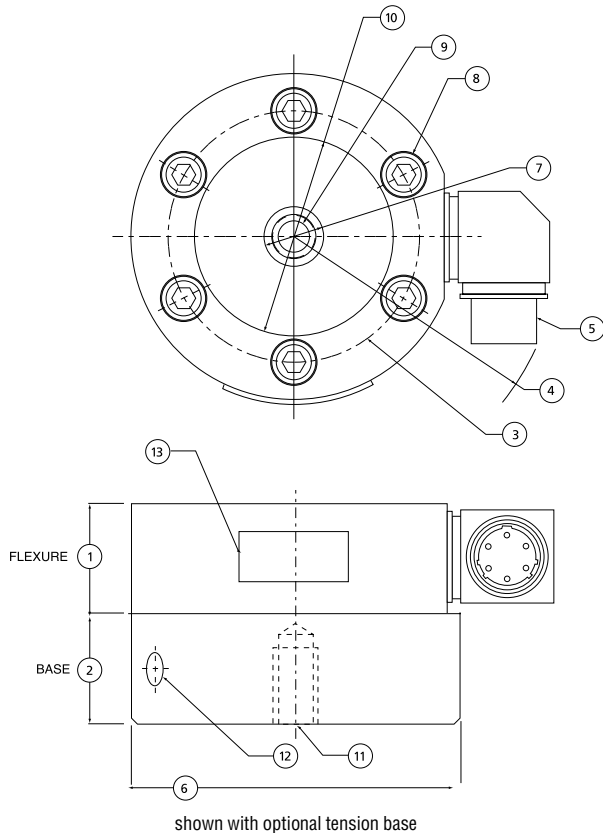


Model 2400 Standard Stainless Steel Load Cell

Capacities 100 lbf-5Klbf

Why the Interface model 2400 Standard Stainless Steel Load Cell is the best in class:

- Proprietary Interface temperature compensated strain gages
- Stainless steel construction
- Hermetically sealed
- Tension and compression
- Compact size
- Counterbored mounting holes



DIMENSIONS

| See Drawing | MODEL | | | |
|-------------|----------------------------------|------|-----------------------------------|------|
| | 2420 | | 2430 | |
| | CAPACITY (lbf) | | | |
| | 100, 250, 500, 1000 | | 2K, 5K | |
| | inch | mm | inch | mm |
| ① | 1.00 | 25.4 | 1.00 | 25.4 |
| ② | 1.00 | 25.4 | 1.00 | 25.4 |
| ③ | 2.25 | 57.2 | 2.63 | 66.7 |
| ④ | 2.43 | 61.7 | 2.68 | 68.1 |
| ⑤ | PTWIH-10-6P | | | |
| ⑥ | 3.00 | 76.2 | 3.50 | 88.9 |
| ⑦ | 0.55 | 14.0 | 0.81 | 20.5 |
| ⑧ | Counterbored for 1/4-28 S.H.C.S. | | Counterbored for 5/16-24 S.H.C.S. | |
| ⑨ | 3/8-24 UNF-3B thru | | 1/2-20 UNF-3B thru | |
| ⑩ | 1.81 | 46.0 | 2.07 | 52.5 |
| ⑪ | 3/8-24 UNF 0.70 Deep | | 1/2-20 UNF 0.70 Deep | |
| ⑫ | Spanner holes 2 SPACED @ 180° | | | |
| ⑬ | Identification Label | | | |

SPECIFICATIONS

| PARAMETERS | MODEL | |
|---------------------------------|------------------------|------------|
| | 2420 | 2430 |
| | CAPACITY (lbf) | |
| | 100, 250, 500, 1000 | 2K, 5K |
| ACCURACY – (MAX ERROR) | | |
| Static Error Band–% FS | ±0.10 | ±0.10 |
| Nonlinearity–% FS | ±0.10 | ±0.10 |
| Hysteresis–% FS | ±0.08 | ±0.08 |
| Nonrepeatability–% RO | ±0.02 | ±0.02 |
| Creep, in 20 min–% | ±0.05 | ±0.05 |
| TEMPERATURE | | |
| Compensated Range–°F | 15 to 115 | 15 to 115 |
| Compensated Range–°C | -10 to 45 | -10 to 45 |
| Operating Range–°F | -65 to 200 | -65 to 200 |
| Operating Range–°C | -55 to 121 | -55 to 121 |
| Effect on Zero–%RO/°F – MAX | ±0.002 | ±0.002 |
| Effect on Output–%RO/°F – MAX | ±0.002 | ±0.002 |
| ELECTRICAL | | |
| Rated Output–mV/V (Nominal) | 3.0 | 3.0 |
| Excitation Voltage–VDC – MAX | 15 | 15 |
| Bridge Resistance–Ohm (Nominal) | 350 | 350 |
| Zero Balance–% RO | ±2.0 | ±2.0 |
| Insulation Resistance–Megohm | 5000 | 5000 |
| MECHANICAL | | |
| Safe Overload–% CAP | ±150 | ±150 |
| Deflection @ RO–inch | .003, .002, .002, .002 | .002 |
| Optional Base–P/N | B318-2 | B319-2 |
| Natural Frequency–kHz | 2.2, 4.4, 6.0, 8.3 | 9.1, 11.7 |
| Weight–lb | 1.5 | 2.0 |
| Connector | PTWIH-10-6P | |
| Seal | Glass-metal hermetic | |
| Flexure Material | Stainless steel | |

OPTIONS

Tension Base
 Submersible with Integral Cable
 Special Connectors
 Load Button
 70-170°F Compensated Temperature Range
 Transducer Electronic Data Sheet (TEDS)

STANDARD CONFIGURATIONS

PTWIH-10-6P Connector (24xxBLX-nn)

ACCESSORIES

Mating Connector
 Instrumentation
 Loading Hardware

Consult factory for more technical information