

| Performance | <u>ENGLISH</u> | <u>SI</u> | |
|---|----------------|--------------|--------|
| Measurement Range(100 x 10 ⁶ cycles) | 12.5 klbf | 56 kN | [6][7] |
| Sensitivity(± 10 %)(RO) | 2.0 mV/V | 2.0 mV/V | [3][1] |
| Non-Linearity | ≤ 0.05 % FS | ≤ 0.05 % FS | [6][8] |
| Hysteresis | ≤ 0.05 % FS | ≤ 0.05 % FS | [6][8] |
| Non-Repeatability | ≤ 0.01 %RO | ≤ 0.01 %RO | [3][8] |
| Eccentric Load Sensitivity | 0.1 %/in | 0.1 %/25.4mm | [8] |
| Resonant Frequency | 8 kHz | 8 kHz | |
| Side Load Sensitivity | 0.1 %/in | 0.1 %/25.4mm | [8] |
| Creep(in 20 minutes) | 0.025 % | 0.025 % | [8] |
| Static Error Band | ≤ 0.05 % FS | ≤ 0.05 % FS | [6][8] |

| Environmental | | | |
|---|----------------------|----------------------|-----|
| Overload Limit | 37.5 klbf | 166 kN | |
| Load Limit(Side Force, F _X or F _Y) | 25 klbf | 111 kN | [4] |
| Load Limit(Bending Moment, M _X or M _Y) | 25 klbf-in | 2825 Nm | [4] |
| Load Limit(Axial Torque, M _Z) | 25 klbf-in | 2825 Nm | [4] |
| Temperature Range(Operating) | -65 to +200 °F | -54 to +93 °C | |
| Temperature Range(Compensated) | +15 to +115 °F | -9 to +46 °C | |
| Temperature Effect on Output(Maximum) | ± 0.0008 %Reading/°F | ± 0.0018 %Reading/°C | [5] |
| Temperature Effect on Zero Balance(Maximum) | ± 0.0008 %FS/°F | ± 0.0018 %FS/°C | [5] |

| Electrical | | | |
|---------------------------------|----------|----------|-----|
| Bridge Resistance | 350 Ohm | 350 Ohm | [1] |
| Excitation Voltage(Recommended) | 10 VDC | 10 VDC | [2] |
| Insulation Resistance | >5K GOhm | >5K GOhm | |
| Zero Balance | ± 1 %RO | ± 1 % FS | [3] |
| Output Polarity | +Tension | +Tension | |

| Physical | | | |
|-----------------------------------|-------------------|----------------------|------|
| Size (Diameter x Height) | 6.06 in x 3.50 in | 153.9 mm x 88.9 mm | [9] |
| Weight | 21 lb | 9.53 kg | |
| Mounting Thread | 1 1/4 - 12 UNF-3B | No Metric Equivalent | |
| Housing Material | Painted Steel | Painted Steel | |
| Sensing Element | Strain Gage | Strain Gage | |
| Mounting Torque | 1400 lbf-in | 158 Nm | |
| Deflection at Full Scale Capacity | 0.001 in | 0.025 mm | |
| Electrical Connector | PT02E-10-6P | PT02E-10-6P | [10] |

All specifications are at room temperature unless otherwise specified.
 In the interest of constant product improvement, we reserve the right to change specifications without notice.
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| OPTIONAL VERSIONS |
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| Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. |
| 1404-12B - PC04E-10-6P Connector [11] |
| 1404-12C - PT02E-12-8P Connector [12] |
| 1404-12D - PC01E-12-8P Connector [13] |

- NOTES:**
- [1] Nominal.
 - [2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
 - [3] RO - Rated Output.
 - [4] Singularly applied, i.e. no other extraneous loads.
 - [5] Over compensated operating temperature range.
 - [6] FS - Full Scale.
 - [7] Calibrated in tension and compression.
 - [8] Performance specifications guaranteed with factory installed optional Tension Base 084A101
 - [9] See Outline Drawing 49932 for Complete Dimensions
 - [10] See "Optional Versions" for other connectors available
 - [11] See outline drawing 60635 for complete dimensions
 - [12] See Outline Drawing 56396 for complete dimensions.
 - [13] See Outline Drawing 56397 for complete dimensions.

OPTIONAL ACCESSORIES:
 Model 084A101 TENSION LOAD BASE W/ 1.25-12 THD.
 Model 084A56 Pre-Tension Stud
 Model 084A90 Connector Shroud
 Model 181-012A PT06A-10-6S(SR)
 Model 8311-01-10A CABLE

Entered: LK Engineer: PE Sales: ML Approved: JSD Spec Number:
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