

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range(100 x 10 ⁶ cycles)	562 lb	2500 N	[5]
Sensitivity(± 10 %)	1 mV/V	1 mV/V	[6]
Non-Linearity	≤ 0.05 % FS	≤ 0.05 % FS	
Hysteresis	≤ 0.05 % FS	≤ 0.05 % FS	
Non-Repeatability	≤ 0.02 %RO	≤ 0.02 %RO	
Resonant Frequency	3.5 kHz	3.5 kHz	
Creep	0.03 %	0.03 %	
Environmental			
Overload Limit	1000 lb	4448 N	
Load Limit(Side Force, F _X or F _Y)	500 lb	2220 N	[3]
Load Limit(Bending Moment, M _X or M _Y)	500 in-lb	56 N-m	[3]
Load Limit(Axial Torque, M _Z)	500 in-lb	56 N-m	[3]
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C	
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C	
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0036 %Reading/°C	[4]
Temperature Effect on Zero Balance(Maximum)	± 0.001 %FS/°F	± 0.0018 %FS/°C	[4]
Electrical			
Bridge Resistance	700 ohm	700 ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Insulation Resistance	>5x10 ⁹ ohm	>5x10 ⁹ ohm	
Zero Balance	≤ 1 %RO	≤ 1 %RO	
Physical			
Size (Diameter x Height)	4.12 in x 1.37 in	104.6 mm x 34.8 mm	
Weight	2.88 lb	1.31 kg	
Mounting Thread	No English Equivalent	M16 x 2-4H Female	
Mounting Torque	200 in-lb	23 N-m	
Deflection at Full Scale Capacity	0.001 in	0.025 mm	
Sensing Element	Strain Gage	Strain Gage	
Housing Material	Stainless Steel	Stainless Steel	
Electrical Connector	PT02E-10-6P	PT02E-10-6P	
Electrical Connection Position	Side	Side	

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

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.


NOTES:

[1] Nominal.
 [2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
 [3] Singularly applied, i.e. no other extraneous loads.
 [4] Over compensated operating temperature range.
 [5] FS - Full Scale.
 [6] RO - Rated Output.

OPTIONAL ACCESSORIES:

Model Shunt Calibration Resistor
 Model 181-012A PT06A-10-6S(SR)
 Model 8311-01-10A CABLE
 Model M084A100 TENSION LOAD BASE W/ M16X2 THD

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