

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range(100 x 10 ⁶ cycles)	51 klb	225 kN	[5]
Sensitivity(± 10 %)	1.5 mV/V	1.5 mV/V	[6]
Non-Linearity	≤ 0.1 % FS	≤ 0.1 % FS	
Hysteresis	≤ 0.1 % FS	≤ 0.1 % FS	
Non-Repeatability	≤ 0.05 %RO	≤ 0.05 %RO	
Resonant Frequency	9.6 kHz	9.6 kHz	
Creep	0.025 %	0.025 %	
Environmental			
Overload Limit	128 klb	563 kN	
Load Limit(Side Force, F _X or F _Y)	51 klb	225 kN	[3]
Load Limit(Bending Moment, M _X or M _Y)	51k in-lb	5762 N-m	[3]
Load Limit(Axial Torque, M _Z)	51k in-lb	5762 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)	8.0 in x 2.5 in	203.2 mm x 63.5 mm	
Weight	25.5 lb	11.57 kg	
Mounting Thread	No English Equivalent	M42 x 2-4H Female	
Mounting Torque	2600 in-lb	294 N-m	
Deflection at Full Scale Capacity	0.001 in	0.025 mm	
Sensing Element	Strain Gage	Strain Gage	
Housing Material	Painted Steel	Painted Steel	
Electrical Connector	PT02E-10-6P	PT02E-10-6P	
Electrical Connection Position	Side	Side	

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 181-012A PT06A-10-6S(SR)
 Model 8311-01-10A CABLE
 Model M084A103 TENSION LOAD BASE W/ THD.

Entered: <i>40mw</i>	Engineer: <i>YJB</i>	Sales: <i>gc</i>	Approved: <i>YJB</i>	Spec Number:
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*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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