

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Measurement Range(100 x 10 <sup>6</sup> cycles)	1011 lbf	4500 N	[5][6]
Sensitivity(± 10 %)	2.0 mV/V	2.0 mV/V	[7][1]
Non-Linearity	≤ 0.04 % FS	≤ 0.04 % FS	
Hysteresis	≤ 0.04 % FS	≤ 0.04 % FS	
Non-Repeatability	≤ 0.02 %RO	≤ 0.02 %RO	
Eccentric Load Sensitivity	0.1 %/in	0.1 %/25.4mm	
Resonant Frequency	10 kHz	10 kHz	
Side Load Sensitivity	0.1 %/in	0.1 %/25.4mm	
Creep(in 20 minutes)	0.025 %	0.025 %	
Static Error Band	≤ 0.04 % FS	≤ 0.04 % FS	[5]
<b>Environmental</b>			
Overload Limit	3033 lbf	13.5 kN	
Load Limit(Side Force, F <sub>X</sub> or F <sub>Y</sub> )	1011 lb	4500 N	[3]
Load Limit(Bending Moment, M <sub>X</sub> or M <sub>Y</sub> )	1011 in-lb	114 Nm	[3]
Load Limit(Axial Torque, M <sub>Z</sub> )	1011 in-lb	114 Nm	[3]
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	[4]
Temperature Effect on Zero Balance(Maximum)	± 0.0008 %FS/°F	± 0.0018 %FS/°C	[4]
<b>Electrical</b>			
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 %RO	
Output Polarity	+Tension	+Tension	
<b>Physical</b>			
Size (Diameter x Height)	4.12 in x 2.50 in	104.60 mm x 63.50 mm	[8]
Weight	6.4 lb	2.9 kg	
Mounting Thread	No English Equivalent	M16 x 2.0	
Sensing Element	Strain Gage	Strain Gage	
Mounting Torque	200 in-lb	23 Nm	
Deflection at Full Scale Capacity	0.001 in	0.03 mm	
Electrical Connector	PT02E-10-6P (2)	PT02E-10-6P (2)	

*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.*

**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]Calibrated in tension and compression.  
 [7]RO - Rated Output.  
 [8]See Outline Drawing 49605 for Complete Dimensions

**SUPPLIED ACCESSORIES:**  
Model 084A90 Connector Shroud (2)

**OPTIONAL ACCESSORIES:**  
Model 181-012A PT06A-10-6S(SR)  
Model 8311-01-10A CABLE

Entered: AP	Engineer: PE	Sales: RM	Approved: JSD	Spec Number:
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