

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range	1000 lbf	4448 N	[5]
Sensitivity(± 10 %)	2 mV/V	2 mV/V	[6]
Non-Linearity	≤ 0.25 % FS	≤ 0.25 % FS	
Hysteresis	≤ 0.15 % FS	≤ 0.15 % FS	
Non-Repeatability	≤ 0.05 %RO	≤ 0.05 %RO	
Resonant Frequency	10.1 kHz	10.1 kHz	
Environmental			
Overload Limit	1500 lbf	6672 N	
Load Limit(Side Force, F _X or F _Y)	250 lbf	1112 N	[3]
Load Limit(Bending Moment, M _X or M _Y)	750 inf-lb	85 Nm	[3]
Load Limit(Axial Torque, M _Z)	650 inf-lb	73 Nm	[3]
Temperature Range(Operating)	-20 to +200 °F	-28 to +93 °C	
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C	
Temperature Effect on Output(Maximum)	± 0.01 %Reading/°F	± 0.018 %Reading/°C	[4]
Temperature Effect on Zero Balance(Maximum)	± 0.005 %FS/°F	± 0.009 %FS/°C	[4]
Electrical			
Bridge Resistance	350 Ohm	350 Ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Insulation Resistance	>5x10 ⁹ Ohm	>5x10 ⁹ Ohm	
Zero Balance	≤ 1 % FS	≤ 1 % FS	
Output Polarity	Positive	Positive	
Output Polarity	+ Tension	+ Tension	
Physical			
Size (Height x Diameter)	4.25 in x 1.50 in	107.9 mm x 38.1 mm	[7]
Weight	1.0 lb	454 kg	
Mounting Thread	No English Equivalent	M20 x 1.50 Female	
Mounting Thread	No English Equivalent	M20 x 1.50 Male	
Cover Material	Anodized Aluminum	Anodized Aluminum	
Sensing Element	Strain Gage	Strain Gage	
Deflection at Full Scale Capacity	0.0008 in	0.020 mm	
Electrical Connector	PT02E-10-6P	PT02E-10-6P	
<i>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.</i>			

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.
 [7] See Outline Drawing 45488 for complete dimensions.

OPTIONAL ACCESSORIES:

Model 181-012A PT06A-10-6S(SR)
 Model 8311-01-10A CABLE

Entered: LK	Engineer: PE	Sales: RM	Approved: JSD	Spec Number:
Date: 4/26/2018	Date: 4/26/2018	Date: 4/26/2018	Date: 4/26/2018	69236



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