

Model Number <b>M1203-05A</b>	<b>STRAIN GAGE LOAD CELL</b>			Revision: C ECN #: 37596
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>
Measurement Range	11,240 lb	50 kN	[5]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Sensitivity(± 10 %)	2 mV/V	2 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	10 kHz	10 kHz		
<b>Environmental</b>				<b>NOTES:</b>
Overload Limit	16,860 klb	75 kN		[1] Nominal.
Load Limit(Side Force, F <sub>X</sub> or F <sub>Y</sub> )	5620 lb	25 kN	[3]	[2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
Load Limit(Bending Moment, M <sub>X</sub> or M <sub>Y</sub> )	5620 in-lb	635 Nm	[3]	[3] Singularly applied, i.e. no other extraneous loads.
Load Limit(Axial Torque, M <sub>Z</sub> )	5620 in-lb	635 Nm	[3]	[4] Over compensated operating temperature range.
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C		[5] FS - Full Scale.
Temperature Range(Compensated)	+70 to +170 °F	+21 to +76 °C		[6] RO - Rated Output.
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]	
<b>Electrical</b>				<b>OPTIONAL ACCESSORIES:</b>
Bridge Resistance	700 Ohm	700 Ohm	[1]	Model 181-012A PT06A-10-6S(SR)
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]	Model M084A100 TENSION LOAD BASE W/ M16X2 THD
Insulation Resistance	>5x10 <sup>9</sup> Ohm	>5x10 <sup>9</sup> Ohm		
Zero Balance	≤ 1 % FS	≤ 1 % FS		
<b>Physical</b>				Entered: AP    Engineer: PE    Sales: KWW    Approved: DA    Spec Number:
Size (Diameter x Height)	4.12 in x 1.37 in	104.6 mm x 34.8 mm		Date: 11/5/2013    Date: 11/5/2013    Date: 11/5/2013    Date: 11/5/2013 <b>46115</b>
Weight	2.88 lb	1.31 kg		
Mounting Thread	No English Equivalent	M16 x 2-4H Female		
Housing Material	Painted Steel	Painted Steel		
Sensing Element	Strain Gage	Strain Gage		
Deflection at Full Scale Capacity	0.0015 in	0.038 mm		
Electrical Connector	PT02E-10-6P	PT02E-10-6P		
Electrical Connection Position	Side	Side		
<p><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></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>				
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