

Model Number 1203-03A		STRAIN GAGE LOAD CELL			Revision: D ECN #: 34038			
Performance	ENGLISH	SI			OPTIONAL VERSIONS			
Measurement Range	2000 lb	8896 N	[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	5.5 kHz	5.5 kHz						
Environmental				NOTES:				
Overload Limit	3000 lb	13 kN		[1] Nominal.				
Load Limit(Side Force, F _X or F _Y)	1000 lb	4448 N	[3]	[2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.				
Load Limit(Bending Moment, M _X or M _Y)	1000 in-lb	113 N-m	[3]	[3] Singularly applied, i.e. no other extraneous loads.				
Load Limit(Axial Torque, M _Z)	1000 in-lb	113 N-m	[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 +77 °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]					
Electrical				OPTIONAL ACCESSORIES:				
Bridge Resistance	700 ohm	700 ohm	[1]	Model 084A100 TENSION LOAD BASE W/ 5/8-18 UNF-3B THD				
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]	Model 181-012A PT06A-10-6S(SR)				
Insulation Resistance	>5x10 ⁹ ohm	>5x10 ⁹ ohm						
Zero Balance	≤ 1 % FS	≤ 1 % FS						
Physical				Entered: yomw	Engineer: YB	Sales: GC	Approved: JTB	Spec Number:
Size (Diameter x Height)	4.12 in x 1.37 in	104.6 mm x 34.8 mm		Date: 10/7/10	Date: 10/7/10	Date: 10/7/10	Date: 10/7/10	16794
Weight	2.88 lb	1.31 kg						
Mounting Thread	5/8 - 18 Female	No Metric Equivalent						
Deflection at Full Scale Capacity	0.001 in	0.03 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						
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p><i>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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