

Model Number 1203-11A	LOW PROFILE LOAD CELL			Revision: B ECN #: 43809										
Performance	ENGLISH	SI		OPTIONAL VERSIONS										
Measurement Range	500 lbf	2224 N	[6][7]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. 1203-11B - PC04E-10-6P Connector 1203-11C - PT02E-12-8P Connector 1203-11D - PC01E-12-8P Connector										
Sensitivity(± 10 %)(RO)	2.0 mV/V	2.0 mV/V	[3][1]											
Non-Linearity	≤ 0.04 % FS	≤ 0.04 % FS	[6][8]											
Hysteresis	≤ 0.03 % FS	≤ 0.03 % FS	[6][8]											
Non-Repeatability	≤ 0.01 %RO	≤ 0.01 %RO	[3][8]											
Eccentric Load Sensitivity	0.25 %/in	0.25 %/25.4mm	[8]											
Resonant Frequency	2.35 kHz	2.35 kHz												
Side Load Sensitivity	0.25 %/in	0.25 %/25.4mm	[8]											
Creep(in 20 minutes)	0.025 %	0.025 %	[8]											
Static Error Band	≤ 0.04 % FS	≤ 0.04 % FS	[6][8]											
Environmental				NOTES: [1]Nominal. [2]Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [3]RO - Rated Output. [4]Singularly applied, i.e. no other extraneous loads. [5]Over compensated operating temperature range. [6]FS - Full Scale. [7]Calibrated in tension and compression. [8]Performance specifications guaranteed with factory installed optional Tension Base 084A100 [9]See Outline Drawing 49605 for Complete Dimensions										
Overload Limit	750 lbf	3336 N												
Load Limit(Side Force, F _X or F _Y)	250 lbf	1112 N	[4]											
Load Limit(Bending Moment, M _X or M _Y)	250 lbf-in	28 Nm	[4]											
Load Limit(Axial Torque, M _Z)	250 lbf-in	28 Nm	[4]											
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	[5]											
Temperature Effect on Zero Balance(Maximum)	± 0.0008 %FS/°F	± 0.0018 %FS/°C	[5]											
Electrical														
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 % FS	[3]											
Output Polarity	+Tension	+Tension												
Physical				<table border="1"> <tr> <td>Entered: AP</td> <td>Engineer: PE</td> <td>Sales: JC</td> <td>Approved: JSD</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 2/16/2015</td> <td>Date: 2/16/2015</td> <td>Date: 2/16/2015</td> <td>Date: 2/16/2015</td> <td>56124</td> </tr> </table>	Entered: AP	Engineer: PE	Sales: JC	Approved: JSD	Spec Number:	Date: 2/16/2015	Date: 2/16/2015	Date: 2/16/2015	Date: 2/16/2015	56124
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Size (Diameter x Height)	4.12 in x 2.50 in	104.6 mm x 63.5 mm	[9]											
Weight	6.4 lb	2.9 kg												
Mounting Thread	5/8 - 18 UNF-3B	No Metric Equivalent												
Housing Material	Painted Steel	Painted Steel												
Sensing Element	Strain Gage	Strain Gage												
Mounting Torque	200 lbf-in	23 Nm												
Deflection at Full Scale Capacity	0.001 in	0.025 mm												
Electrical Connector	PT02E-10-6P	PT02E-10-6P												
<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>														
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