

Model Number 1204-12A		LOW PROFILE LOAD CELL				Revision: B ECN #: 43809													
Performance		ENGLISH		SI		OPTIONAL VERSIONS													
Measurement Range		25 klbf		111 kN	[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. 1204-12B - PC04E-10-6P Connector 1204-12C - PT02E-12-8P Connector 1204-12D - PC01E-12-8P Connector													
Sensitivity(± 10 %)(RO)		4.0 mV/V		4.0 mV/V	[3][1]														
Non-Linearity		≤ 0.05 % FS		≤ 0.05 % FS	[6][8]														
Hysteresis		≤ 0.06 % FS		≤ 0.06 % 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		12 kHz		12 kHz															
Side Load Sensitivity		0.25 %/in		0.25 %/25.4mm	[8]														
Creep(in 20 minutes)		0.025 %		0.025 %	[8]														
Static Error Band		≤ 0.05 % FS		≤ 0.05 % 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 084A101 [9]See Outline Drawing 49932 for Complete Dimensions													
Overload Limit		37.5 klbf		167 kN															
Load Limit(Side Force, F _X or F _Y)		10 klbf		44 kN	[4]														
Load Limit(Bending Moment, M _X or M _Y)		10 klbf-in		1130 Nm	[4]														
Load Limit(Axial Torque, M _Z)		10 klbf-in		1130 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								OPTIONAL ACCESSORIES: Model 084A101 TENSION LOAD BASE W/ 1.25-12 THD. Model 084A56 Pre-Tension Stud Model 084A90 Connector Shroud Model 181-012A PT06A-10-6S(SR) Model 8311-01-10A CABLE											
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><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>56134</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	56134
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Size (Diameter x Height)		6.06 in x 3.50 in		153.9 mm x 88.9 mm	[9]														
Weight		21 lb		9.53 kg															
Mounting Thread		1 1/4 - 12 UNF-3B		No Metric Equivalent															
Housing Material		Painted Steel		Painted Steel															
Sensing Element		Strain Gage		Strain Gage															
Mounting Torque		1400 lbf-in		158 Nm		PCB Load & Torque, Inc. 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-Mail: linfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com													
Deflection at Full Scale Capacity		0.002 in		0.05 mm															
Electrical Connector		PT02E-10-6P		PT02E-10-6P															
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.																			