


Model Number 1630-04C		STRAIN GAGE LOAD CELL			Revision: D ECN #: 43825											
Performance		ENGLISH	SI		OPTIONAL VERSIONS											
Measurement Range	100 lb	445 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	≤ 0.03 % FS	≤ 0.03 % FS														
Non-Repeatability	≤ 0.02 %RO	≤ 0.02 %RO														
Resonant Frequency	1.8 kHz	1.8 kHz														
Creep(in 20 minutes)	≤ 0.08 %	≤ 0.08 %														
Environmental				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 46137 for Complete Dimensions												
Overload Limit	150 lb	667 N														
Load Limit(Side Force, F _X or F _Y)	10 lb	44.5 N	[3]													
Load Limit(Bending Moment, M _X or M _Y)	20 in-lb	2.26 Nm	[3]													
Load Limit(Axial Torque, M _Z)	20 in-lb	2.26 Nm	[3]													
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C														
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C														
Temperature Effect on Output(Maximum)	± 0.0008 %Reading/°F	± 0.0015 %Reading/°C	[4]	<table border="1" style="width: 100%;"> <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 style="text-align: center;">45995</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	45995
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	45995												
Temperature Effect on Zero Balance(Maximum)	± 0.0015 %FS/°F	± 0.027 %FS/°C	[4]													
Electrical				<table border="1" style="width: 100%;"> <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 style="text-align: center;">45995</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	45995
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				45995									
Bridge Resistance	350 Ohm	350 Ohm	[1]													
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]													
Insulation Resistance	>5x10 ⁹ Ohm	>5x10 ⁹ Ohm		<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;">  <p>PCB LOAD & TORQUE A PCB GROUP COMPANY</p> </div> <div style="width: 55%;"> <p>PCB Load & Torque, Inc. 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-Mail: ltinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com</p> </div> </div>												
Zero Balance	± 1 % FS	± 1 % FS														
Physical																
Size (Length x Height x Width)	2.00 in x 2.50 in x 0.625 in	51 mm x 64 mm x 16 mm	[7]													
Weight	0.23 lb	104 g														
Mounting Thread	1/4-28 thread	No Metric Equivalent														
Housing Material	Aluminum	Aluminum														
Sensing Element	Strain Gage	Strain Gage														
Deflection at Full Scale Capacity	0.002 in	0.05 mm														
Electrical Connector	10 ft - Integrated Cable	10 ft - Integrated Cable														
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>																