


Model Number 1630-03C	STRAIN GAGE LOAD CELL			Revision: D ECN #: 43826										
Performance Measurement Range Sensitivity(± 10 %) Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Creep(in 20 minutes)	<u>ENGLISH</u> 50 lb 2 mV/V ≤ 0.05 % FS ≤ 0.03 % FS ≤ 0.02 %RO 1.5 kHz ≤ 0.08 %	<u>SI</u> 222 N 2 mV/V ≤ 0.05 % FS ≤ 0.03 % FS ≤ 0.02 %RO 1.5 kHz ≤ 0.08 %	[5] [6]	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.										
Environmental Overload Limit Load Limit(Side Force, F _X or F _Y) Load Limit(Bending Moment, M _X or M _Y) Load Limit(Axial Torque, M _Z) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum)	75 lb 5 lb 10 in-lb 10 in-lb -65 to +200 °F +70 to +170 °F ± 0.0008 %Reading/°F ± 0.0015 %FS/°F	333 N 25 N 1 Nm 1 Nm -54 to +93 °C +21 to +77 °C ± 0.0015 %Reading/°C ± 0.027 %FS/°C	[3] [3] [3] [4] [4]		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 [8]See drawing 46137 for complete dimensions.									
Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Output Polarity	350 Ohm 10 VDC >5x10 ⁹ Ohm ± 1 % FS +Tension	350 Ohm 10 VDC >5x10 ⁹ Ohm ± 1 % FS +Tension	[1] [2]	<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 style="text-align: center;">45994</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
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	45994										
Physical Size (Length x Height x Width) Weight Mounting Thread Housing Material Sensing Element Deflection at Full Scale Capacity Electrical Connector Electrical Connection Position	2.00 in x 2.50 in x 0.625 in 0.23 lb 1/4-28 thread Aluminum Strain Gage 0.002 in 10 ft - Integrated Cable Side	51 mm x 64 mm x 16 mm 1.04 g No Metric Equivalent Aluminum Strain Gage 0.05 mm 10 ft - Integrated Cable Side	[7]	<div style="text-align: center;">  <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>										
<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>														