


Model Number <b>1631-06C</b>	<b>STRAIN GAGE LOAD CELL</b>			Revision: E ECN #: 43825										
<b>Performance</b> Measurement Range Sensitivity(± 10 %) Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Creep(in 20 minutes)	<b>ENGLISH</b> 5000 lb 2 mV/V ≤ 0.05 % FS ≤ 0.03 % FS ≤ 0.02 %RO 2.5 kHz ≤ 0.08 %	<b>SI</b> 22.2 kN 2 mV/V ≤ 0.05 % FS ≤ 0.03 % FS ≤ 0.02 %RO 2.5 kHz ≤ 0.08 %	[5] [6]	<p style="text-align: center;"><b>OPTIONAL VERSIONS</b></p> <p>Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.</p>										
<b>Environmental</b> Overload Limit Load Limit(Side Force, F <sub>X</sub> or F <sub>Y</sub> ) Load Limit(Bending Moment, M <sub>X</sub> or M <sub>Y</sub> ) Load Limit(Axial Torque, M <sub>Z</sub> ) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum)	7500 lb 500 lb 1250 in-lb 1250 in-lb 0 to +200 °F +70 to +170 °F ± 0.0008 %Reading/°F ± 0.0015 %FS/°F	33.4 kN 2224 N 141.2 Nm 141.2 Nm -18 to +93 °C +21 to +77 °C ± 0.0015 %Reading/°C ± 0.027 %FS/°C	[3] [3] [3] [4] [4]		<p><b>NOTES:</b></p> <p>[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 46138 for Complete Dimensions</p>									
<b>Electrical</b> Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Output Polarity	350 Ohm 10 VDC >5x10 <sup>9</sup> Ohm ± 1 % FS +Tension	350 Ohm 10 VDC >5x10 <sup>9</sup> Ohm ± 1 % FS +Tension	[1] [2]	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Entered: AP</td> <td style="width: 15%;">Engineer: PE</td> <td style="width: 15%;">Sales: JC</td> <td style="width: 15%;">Approved: JSD</td> <td style="width: 15%;">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;"><b>46000</b></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	<b>46000</b>										
<b>Physical</b> Size (Length x Height x Width) Weight Mounting Thread Housing Material Sensing Element Deflection at Full Scale Capacity Electrical Connector Electrical Connection Position	2.50 in x 3.50 in x 1.50 in 2.85 lb 5/8-18 Thread Nickel Plated Steel Strain Gage 0.003 in 10 ft - Integrated Cable Side	64 mm x 89 mm x 38 mm 1.3 g No Metric Equivalent Nickel Plated Steel Strain Gage 0.05 mm 10 ft - Integrated Cable Side	[7]	<div style="text-align: center;">  <p><b>PCB Load &amp; Torque, Inc.</b>  <b>24350 Indoplex Circle</b>  <b>Farmington Hills, MI 48335</b>  <b>UNITED STATES</b>  <b>Phone: 866-684-7107</b>  <b>Fax: 716-684-0987</b>  <b>E-Mail: <a href="mailto:ltinfo@pcbloadtorque.com">ltinfo@pcbloadtorque.com</a></b>  <b>Web site:</b>  <b><a href="http://www.pcbloadtorque.com">http://www.pcbloadtorque.com</a></b></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>														