


Model Number 1408-12A	LOW PROFILE LOAD CELL - FATIGUE RATED			Revision: NR ECN #: 50525
Performance Measurement Range(100 x 10 ⁶ cycles) Sensitivity(± 10 %) Non-Linearity Hysteresis Non-Repeatability Creep(in 20 minutes) Static Error Band Eccentric Load Sensitivity Resonant Frequency Side Load Sensitivity	ENGLISH 50 klb 2.0 mV/V ≤ 0.05 % FS ≤ 0.05 % FS ≤ 0.02 %RO 0.025 % ≤ 0.05 % FS 0.1 %/in 18 kHz 0.1 %/in	SI 223 kN 2.0 mV/V ≤ 0.05 % FS ≤ 0.05 % FS ≤ 0.02 %RO 0.025 % ≤ 0.05 % FS 0.1 %/25.4mm 18 kHz 0.1 %/25.4mm	[1][2] [3][4] [1]	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) Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance Output Polarity	150 klb 50 klb 50k in-lb 50k in-lb -65 to +200 °F +15 to +115 °F ± 0.0008 %Reading/°F ± 0.0008 %FS/°F 350 Ohm 10 VDC > 5k GOhm ≤ 1 %RO + Tension	667 kN 222 kN 5,649 Nm 5,649 Nm -54 to +93 °C -9 to +46 °C ± 0.0018 %Reading/°C ± 0.0018 %FS/°C 350 Ohm 10 VDC > 5k GOhm ≤ 1 %RO + Tension	[5] [5] [5] [5] [6] [6] [4] [7]	
Physical Size (Height x Diameter) Weight Mounting Thread Sensing Element Mounting Torque Deflection at Full Scale Capacity Electrical Connector	4.50 in x 8.00 in 54 lb 1 3/4 - 12 UN-3B Strain Gage 2,600 in-lb 0.001 in PT02E-10-6P	114.30 mm x 203.20 mm 25.5 kg No Metric Equivalent Strain Gage 294 Nm 0.025 mm PT02E-10-6P	[8]	NOTES: [1]FS - Full Scale. [2]Calibrated in tension and compression. [3]RO - Rated Output. [4]Nominal. [5]Singularly applied, i.e. no other extraneous loads. [6]Over compensated operating temperature range. [7]Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [8]See Outline Drawing 49042 for Complete Dimensions
OPTIONAL ACCESSORIES: Model 084A87 Pre-Tension Stud Model 181-012A PT06A-10-6S(SR) Model 8311-01-10A CABLE				
Entered: LK	Engineer: PE	Sales: KWW	Approved: JSD	Spec Number:
Date: 02/25/2020	Date: 02/25/2020	Date: 02/25/2020	Date: 02/25/2020	73036
<div style="display: flex; justify-content: space-between; align-items: center;"> <div data-bbox="1136 1370 1501 1430">  <p>PCB LOAD & TORQUE A PCB PIEZOTRONICS DIV.</p> </div> <div data-bbox="1514 1370 1864 1492"> <p>PCB Load & Torque A Division of PCB Piezotronics 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 E-Mail: LTSales@pcb.com Web site: www.pcb.com/LoadAndTorque</p> </div> </div> <p data-bbox="184 1430 1008 1474">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.</p>				