Model Number 1903-02A	STRAIN GAGE SIDE FORCE LOAD CELL							Re EC	vision: F N #: 49055
Performance Measurement Range Sensitivity(10 %) Non-Linearity Hysteresis Non-Repeatability Environmental Overload Limit		ENGLISH 100 lbf 1.3 mV/V ≤ 0.10 % FS ≤ 0.10 % FS ≤ 0.02 %RO 150 lbf	<u>SI</u> 445 N 1.3 mV/V ≤ 0.10 % FS ≤ 0.02 %RO 667 N	[4] [5]	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. NOTES: [1] Nominal. [2] Calibrated at 10 VDC, usable 3 to 20 VDC or VAC RMS. [3] Over compensated operating temperature range. [4] FS - Full Scale. [5] RO - Rated Output. [6] See Outline Drawing 58830 for Complete Dimensions.				
Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum) <b>Electrical</b> Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance		-65 to +200 °F +70 to +170 °F ± 0.002 %Reading/°F ± 0.001 %FS/°F 2000 Ohm 10 VDC >5x10 <sup>9</sup> Ohm	-54 to +93 °C +21 to +77 °C ± 0.0036 %Reading/°C ± 0.0018 %FS/°C 2000 Ohm 10 VDC >5x10 <sup>9</sup> Ohm < 1 % FS	[3] [3] [1] [2]					
Output Polarity(Tension)	Output Polarity(Tension)		Negative		Entered: LK	Engineer: PE	Sales: RB	Approved: JSD	Spec Number:
Physical Size (Height x Diameter)		1.25 in x 1.50 in	31.75 mm x 38.1 mm	[6]	Date: 1/23/2019	Date: 1/23/2019	Date: 1/23/2019	Date: 1/23/2019	59501
Weight0.15 bit0.15 kgMounting Thread#4-40 FemaleNo Metric EquivalentHousing MaterialAluminumAluminumSensing ElementStrain GageStrain GageDeflection at Full Scale Capacity0.004 in0.12 mmElectrical Connectorpigtail endspigtail endsElectrical ConnectorBottomBottomAll specifications are at room temperature unless otherwise specified.In the interest of constant product improvement, we reserve the right to change specifications without notice.			PCB LOAD & TOROUE A PCB PIEZOTRONICS DIV A PC						