

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Measurement Range	562 lb	2500 N	[5]
Sensitivity(± 10 %)	2 mV/V	2 mV/V	[6]
Non-Linearity	≤ 0.15 % FS	≤ 0.15 % FS	
Hysteresis	≤ 0.15 % FS	≤ 0.15 % FS	
Non-Repeatability	≤ 0.05 %RO	≤ 0.05 %RO	
Resonant Frequency	2.2 kHz	2.2 kHz	
Creep(in 20 minutes)	≤ 0.02 %	≤ 0.02 %	
<b>Environmental</b>			
Overload Limit	843 lb	3750 N	
Load Limit(Side Force, F <sub>X</sub> or F <sub>Y</sub> )	56.2 lb	250 N	[3]
Load Limit(Bending Moment, M <sub>X</sub> or M <sub>Y</sub> )	112.4 in-lb	12.7 Nm	[3]
Load Limit(Axial Torque, M <sub>Z</sub> )	112.4 in-lb	12.7 Nm	[3]
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	+75 to +150 °F	+21 to +65 °C	
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0036 %Reading/°C	[4]
Temperature Effect on Zero Balance(Maximum)	± 0.0015 %FS/°F	± 0.027 %FS/°C	[4]
<b>Electrical</b>			
Bridge Resistance	5000 Ohm	5000 Ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Insulation Resistance	>5x10 <sup>9</sup> Ohm	>5x10 <sup>9</sup> Ohm	
Zero Balance	≤ 1 % FS	≤ 1 % FS	
Output Polarity	+ Tension	+ Tension	
<b>Physical</b>			
Size (Length x Height x Width)	2.0 in x 3.0 in x 1.0 in	51.0 mm x 76.2 mm x 25.4 mm	
Weight	0.43 lb	195 g	
Housing Material	Aluminum	Aluminum	
Sensing Element	Strain Gage	Strain Gage	
Deflection at Full Scale Capacity	0.0025 in	0.05 mm	
Electrical Connector	6 ft. Integrated Cable	6 ft. Integrated Cable	
Electrical Connection Position	Side	Side	

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.

**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 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.

Entered: LK	Engineer: PE	Sales: DM	Approved: JM	Spec Number:
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