

Model Number <b>062140-71608</b>		<b>TRI-AXIAL ROLLING RESISTANCE LOAD CELL</b>			Revision: NR ECN #: 49658		
<b>Performance</b>		<b>ENGLISH</b>	<b>SI</b>		<b>OPTIONAL VERSIONS</b>		
Measurement Range(F <sub>Z</sub> )	6000 lbf	26.7 kN	[1][3]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.			
Measurement Range(F <sub>X</sub> )	6000 lbf	26.7 kN	[1][3]				
Measurement Range(F <sub>Y</sub> )	6000 lbf	26.7 kN	[1][3]				
Sensitivity(± 10 %)(F <sub>Z</sub> )	1.1 mV/V	1.1 mV/V	[1][3]				
Sensitivity(± 10 %)(F <sub>X</sub> )	2.6 mV/V	2.6 mV/V	[1][3]				
Sensitivity(± 10 %)(F <sub>Y</sub> )	2.6 mV/V	2.6 mV/V	[1][3]				
Non-Linearity	≤ 0.25 % FS	≤ 0.25 % FS	[3][6]				
Hysteresis	≤ 0.25 % FS	≤ 0.25 % FS	[3][6]				
Non-Repeatability	≤ 0.15 % FS	≤ 0.15 % FS	[3][6]				
Cross Talk	5.0 % FS	5.0 % FS	[3][6]				
Creep	0.1 % FS	0.1 % FS	[3][7][6]				
Static Error Band	0.4 % FS	0.4 % FS	[3][8][6]				
<b>Environmental</b>						<b>NOTES:</b> [1] Nominal. [2] Recommended 10 VDC RMS [3] FS - Full Scale. [4] See outline drawing 71608 for complete dimensions [5] Over compensated operating temperature range. [6] For all axes [7] Creep data at 20 minutes [8] Calculated by SQRT ((Non-Lin^2)+(Hysteresis^2)+(Non-Repeat^2))	
Overload Limit	150 % FS	150 % FS	[3]				
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C					
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C					
Temperature Effect on Output(Maximum)	± 0.006 %Reading/°F	± 0.01 %Reading/°C	[5]				
Temperature Effect on Zero Balance(Maximum)	± 0.006 %FS/°F	± 0.01 %FS/°C	[3][5]				
<b>Electrical</b>							
Bridge Resistance(F <sub>Z</sub> )	700 Ohm	700 Ohm	[1]				
Bridge Resistance(F <sub>X</sub> )	350 Ohm	350 Ohm	[1]				
Bridge Resistance(F <sub>Y</sub> )	350 Ohm	350 Ohm	[1]				
Excitation Voltage(Nominal)	5 VDC	5 VDC	[1][2]				
Excitation Voltage(Maximum)	15 VDC	15 VDC	[2]				
Insulation Resistance	>5 GOhm	>5 GOhm					
Zero Balance	≤ 1 % FS	≤ 1 % FS	[3]				
Output Polarity	See outline drawing	See outline drawing	[4]				
<b>Physical</b>				<b>SUPPLIED ACCESSORIES:</b> Model 7122R-002003 Cal Res. 200K OHM (1) Model 7122R-04352A PRECISION CAL RESISTOR 43.575 kOhm (2)			
Size (Length x Diameter)	3.5 in x 6.50 in	89.9 mm x 165.1 mm	[4]				
Weight	18 lb	8.16 kg					
Mounting	Flange (3/8-16 Bolts)	Flange (3/8-16 Bolts)	[4]				
Housing Material	4340 Steel	4340 Steel					
Sensor Material	4340 Steel	4340 Steel					
Sensing Element	Strain Gage	Strain Gage					
Electrical Connector	PT02A-14-18P	PT02A-14-18P					
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.							
Entered: LK		Engineer: PE				Sales: KWW	
Date: 6/24/2019		Date: 6/24/2019				Date: 6/24/2019	
						Approved: JSD	
						Spec Number:	
				<b>71718</b>			