

Model Number 059810-01504	CLAMP FORCE LOAD CELL	Revision: A ECN #: 47569
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	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Measurement Range	112 klbf	500 kN	[5]
Sensitivity(± 10 %)(RO)	2.5 mV/V	2.5 mV/V	[3][1]
Non-Linearity	≤ 0.25 % FS	≤ 0.25 % FS	[5]
Hysteresis	≤ 0.75 % FS	≤ 0.75 % FS	[5]
Non-Repeatability	≤ 0.2 %RO	≤ 0.2 %RO	[3]
Environmental			
Overload Limit(150 %)	168 klbf	750 kN	
Temperature Range(Operating)	-0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C	
Temperature Effect on Output(Maximum)	± .001 %Reading/°F	± 0.0018 %Reading/°C	[4]
Temperature Effect on Zero Balance(Maximum)	± .001 %FS/°F	± 0.0018 %FS/°C	[4]
Electrical			
Bridge Resistance	700 Ohm	700 Ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Insulation Resistance	>5K GOhm	>5K GOhm	
Zero Balance	± 1 %RO	± 1 % FS	[3]
Output Polarity	+ Comp	+ Comp	
Physical			
Size (Height x Width x Depth)	8.95 in x 9.50 in x 3.0 in	227 mm x 241 mm x 76 mm	[6]
Weight	33 lb	15 kg	
Housing Material	Aluminum	Aluminum	
Sensing Element	Strain Gage	Strain Gage	
Electrical Connector	PT02A-8-4P	PT02A-8-4P	

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] RO - Rated Output.
 [4] Over compensated operating temperature range.
 [5] FS - Full Scale.
 [6] See Outline Drawing 66771 for Complete Dimensions

SUPPLIED ACCESSORIES:

Model 7122R-04352A PRECISION CAL RESISTOR 43.575 kOhm (1)
 Model 90500-031910 Clamp Assembly (1)

Entered: LK	Engineer: PE	Sales: DM	Approved: JSD	Spec Number:
Date: 12/6/2017	Date: 12/6/2017	Date: 12/6/2017	Date: 12/6/2017	66768

*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.*