

# 2121 SERIES COMPACT STAINLESS STEEL COMPRESSION LOAD CELLS

## FEATURES

- Compact Size
- Accuracy-.05% - .07% of Rated Output
- Optional Full Encapsulation for Harsh Environments
- 5pt Compression Calibration
- Proprietary Modulus Compensated Strain Gages
- Optional Connectors or Integral Cable



## SPECIFICATIONS

Model	2121
Capacity	U.S. lbf. 10K, 25K lbf
PARAMETERS	Metric kN 45, 100
<b>ACCURACY</b>	
Static Error Band, % Rated Output	+/-0.070
Nonlinearity, % Rated Output	+/-0.070
Hysteresis, % Rated Output	+/-0.050
Nonrepeatability, % Rated Output	+/-0.010
Creep, % in 20 minutes	+/-0.025
Zero Balance, % Rated Output	+/-1.0
<b>TEMPERATURE</b>	
Range, Compensated, °F	+15 to +115
Range, Compensated, °C	-10 to +45
Range, Operating, °F	-30 to +200
Range, Operating, °C	-35 to +93
Effect on Sensitivity, % Rdg/ °F	+/-0.0020
Effect on Sensitivity, % Rdg/ °C	+/-0.0036
Effect on Zero, % Rated Output/ °F	+/-0.0020
Effect on Zero, % Rated Output/ °C	+/-0.0036
<b>ELECTRICAL</b>	
Rated Output, mV/V, Nominal	2
Excitation Voltage, VDC Maximum	15
Input Resistance, Ohms	350
Output Resistance, Ohms	350
Insulation Resistance, Megohm	5000
Bayonet Connector	MS3102E-14S-6P
<b>MECHANICAL</b>	
Safe Overload Range, % Rated Capacity	+/-150
Weight lb	3.6
Weight kg	1.6
Flexure Material	Stainless Steel

## DIMENSIONS

Model	2121	2121
Capacity	10K, 25K lbf	45, 100 kN
Dimensions	inch	mm
1.	3.25	82.55
2.	2.69	68.3
3.	2.88	73.15
4.	1.25	31.75
5.	4	101.6
6.	.40	10.16
7.	1.72	43.69
8.	2.04	51.82
9.	1/2-20 .5 Deep	M12 X 1.25 12.7 Deep

