

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
ACCURACY	
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
TEMPERATURE	
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
ELECTRICAL	
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
MECHANICAL	
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

