

Model Number 054210-01543	STRAIN GAGE LOAD CELL	Revision: A ECN #: 37515
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	ENGLISH	SI	
Performance			
Measurement Range(Full Scale Capacity)	12139.68 lb	54 kN	[1]
Sensitivity(output at rated capacity)	1.50 mV/V	1.50 mV/V	[1][4]
Non-Linearity	± 5 % FS	± 5 % FS	[4]
Hysteresis	± 5 % FS	± 5 % FS	[4]
Non-Repeatability	± 2 % FS	± 2 % FS	[4]
Resonant Frequency	10 kHz	10 kHz	
Environmental			
Overload Limit	18,210 lb	81 kN	
Temperature Range(Operating)	0 to +200 °F	-18 to +93 °C	
Temperature Range(Compensated)	N/A °F	N/A °C	
Temperature Effect on Output(Maximum)	± 0.02 %Reading/°F	± 0.036 %Reading/°C	[3]
Temperature Effect on Zero Balance(Maximum)	± 0.02 %FS/°F	± 0.036 %FS/°C	[4]
Electrical			
Bridge Resistance	350 ohm	350 ohm	[1]
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]
Output Polarity(Compression)	Positive	Positive	
Physical			
Size (Diameter x Height)	0.943 in x 0.420 in	23.952 mm x 10.668 mm	
Fastener Size	0.394 in	10 mm	
Through Hole Diameter	0.40 in	10.16 mm	
Sensing Element	Strain Gage	Strain Gage	
Electrical Connector	pigtail ends	pigtail ends	
Electrical Connection Position	Side	Side	
<i>All specifications are at room temperature unless otherwise specified.</i>			
<i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i>			
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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] Over compensated operating temperature range.
 [4] FS - Full Scale.

Entered: DMW	Engineer: JSD	Sales: JC	Approved: GLB	Spec Number:
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