

Model Number	STRAIN GAGE LOAD CELL			Revision: C
M1204-03A				ECN #: 37596
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Measurement Range	56,200 lb	250 kN	[5]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Sensitivity(± 10 %)	2 mV/V	2 mV/V	[6]	
Non-Linearity	≤ 0.05 % FS	≤ 0.05 % FS		
Hysteresis	≤ 0.05 % FS	≤ 0.05 % FS		
Non-Repeatability	≤ 0.02 %RO	≤ 0.02 %RO		
Resonant Frequency	12 kHz	12 kHz		
Environmental				NOTES:
Overload Limit	84,300 lb	375 kN		[1] Nominal.
Load Limit(Side Force, F _X or F _Y)	28,100 lb	125 kN	[3]	[2] Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS.
Load Limit(Bending Moment, M _X or M _Y)	28,100 in-lb	3175 Nm	[3]	[3] Singularly applied, i.e. no other extraneous loads.
Load Limit(Axial Torque, M _Z)	28,100 in-lb	3175 Nm	[3]	[4] Over compensated operating temperature range.
Temperature Range(Operating)	-65 to +200 °F	-54 to +93 °C		[5] FS - Full Scale.
Temperature Range(Compensated)	+70 to +170 °F	+21 to +77 °C		[6] RO - Rated Output.
Temperature Effect on Output(Maximum)	± 0.002 %Reading/°F	± 0.0036 %Reading/°C	[4]	
Temperature Effect on Zero Balance(Maximum)	± 0.001 %FS/°F	± 0.0018 %FS/°C	[4]	
Electrical				OPTIONAL ACCESSORIES:
Bridge Resistance	700 Ohm	700 Ohm	[1]	Model 181-012A PT06A-10-6S(SR)
Excitation Voltage(Recommended)	10 VDC	10 VDC	[2]	Model M084A101 TENSION LOAD BASE W/ M33X2 THD.
Insulation Resistance	>5x10 ⁹ Ohm	>5x10 ⁹ Ohm		
Zero Balance	≤ 1 % FS	≤ 1 % FS		
Physical				Entered: AP
Size (Diameter x Height)	6.06 in x 1.75 in	153.9 mm x 44.5 mm		Engineer: PE
Weight	8.96 lb	4.06 kg		Sales: KWW
Mounting Thread	No English Equivalent	M33 x 2-4H Female		Approved: DA
Housing Material	Painted Steel	Painted Steel		Spec Number:
Sensing Element	Strain Gage	Strain Gage		
Deflection at Full Scale Capacity	0.0015 in	0.038 mm		Date: 11/5/2013
Electrical Connector	PT02E-10-6P	PT02E-10-6P		Date: 11/5/2013
Electrical Connection Position	Side	Side		Date: 11/5/2013
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.				Date: 11/5/2013
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