Model Number 261A01	3-COMPONENT ICP® SENSOR	Revision B ECN #: 33704

Performance	ENGLISH	SI	
Sensitivity (±20 %) (z axis)	2.5 mV/lb	0.56 mV/N	[1]
Sensitivity (±20 %) (x or y axis)	10 mV/lb	2.25 mV/N	[1]
Measurement Range (z axis)	1000 lb	4.45 kN	
Measurement Range (x or y axis)	500 lb	2.22 kN	
Maximum Force (z axis)	1320 lb	5.87 kN	
Maximum Force (x or y axis)	660 lb	2.94 kN	
Maximum Moment (z axis)	14 ft-lb	18.98 Nm	
Maximum Moment (x or y axis)	13 ft-lb	17.63 Nm	
Broadband Resolution (z axis)	0.006 lb-rms	0.027 N-rms	[2]
Broadband Resolution (x or y axis)	0.002 lb-rms	0.0089 N-rms	[2]
Upper Frequency Limit	10 kHz	10 kHz	
Low Frequency Response (-5 %) (z-axis)	0.01 Hz	0.01 Hz	
Low Frequency Response (-5 %) (x or y axis)	0.001 Hz	0.001 Hz	
Non-Linearity	≤1 % FS	≤1 % FS	[3]
Cross Talk (between x and y axis)	±3 %	±3 %	
Cross Talk (between (x or y axis) and z axis)	±5 %	±5 %	
Environmental			
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Electrical			
Full Scale Output (Z Direction)	±2.5 VDC	±2.5 VDC	
Full Scale Output (X and Y Direction)	±5 VDC	±5 VDC	
Discharge Time Constant (z axis)	≥50 sec	≥50 sec	
Discharge Time Constant (x or y axis)	≥500 sec	≥500 sec	
Excitation Voltage (all channels)	20 to 30 VDC	20 to 30 VDC	
Constant Current Excitation (all channels)	2 to 20 mA	2 to 20 mA	
Output Impedance	≤100 Ohm	≤100 Ohm	
Output Bias Voltage	8 to 14 VDC	8 to 14 VDC	
Spectral Noise (1 Hz) (X & Y)	0.00003 lb/√Hz	0.00134 N/√Hz	
Spectral Noise (10 Hz) (X & Y)	0.00015 lb/√Hz	0.000668 N/√Hz	
Spectral Noise (100 Hz) (X & Y)	0.00005 lb/√Hz	0.000223 N/√Hz	
Spectral Noise (1000 Hz) (X & Y)	0.000015 lb/√Hz	0.0000668 N/√Hz	
Spectral Noise (1 Hz) (Z)	0.0015 lb/√Hz	0.0068 N/√Hz	
Spectral Noise (10 Hz) (Z)	0.00055 lb/√Hz	0.00245 N/√Hz	
Spectral Noise (100 Hz) (Z)	0.0002 lb/√Hz	0.000891 N/√Hz	
Spectral Noise (1000 Hz) (Z)	0.000055 lb/√Hz	0.000245 N/√Hz	
Output Polarity	Positive	Positive	
Physical			
Stiffness (z axis)	10 lb/µin	1.75 kN/µm	[2]
Stiffness (x or y axis)	4 lb/µin	0.7 kN/µm	[2]
Weight	13.60 oz	386 gm	
Housing Material	Stainless Steel	Stainless Steel	
Sealing	Hermetic	Hermetic	
Electrical Connector	4-Pin	4-Pin	
Electrical Connection Position	Side	Side	

CE[4]

Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

M - Metric Mount

W - Water Resistant Cable

Electrical Connection Position	Side	Side

Notes

[1] Sensitivites are for listed preload. Sensitivites may vary ±5% depending on preload used.

[2] Typical.

[3] Zero-based, least-squares, straight line method.

[4] See PCB Declaration of Conformance PS023 for details.

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