

Model Number 260B03		3-COMPONENT ICP® FORCE SENSOR			Revision: A ECN #: 55817			
Performance		ENGLISH	SI		OPTIONAL VERSIONS			
Sensitivity(± 20 %)(Z Axis)		0.25 mV/lb	0.06 mV/N	[1]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. W - Water Resistant Cable			
Sensitivity(± 20 %)(X or Y Axis)		1.25 mV/lb	0.28 mV/N	[1]				
Measurement Range(Z Axis)		10,000 lb	44.48 kN					
Measurement Range(X or Y Axis)		4,000 lb	17.79 kN					
Maximum Force(Z Axis)		11,000 lb	48.93 kN					
Maximum Force(X or Y Axis)		4,400 lb	19.57 kN					
Maximum Moment(Z Axis)		375 ft-lb	508.4 Nm					
Maximum Moment(X or Y Axis)		940 ft-lb	1274.5 Nm					
Broadband Resolution(Z Axis)		0.05 lb-rms	0.222 N-rms	[2]				
Broadband Resolution(X or Y Axis)		0.01 lb-rms	0.04 N-rms	[2]				
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)		0.003 lb/√Hz	0.0134 N/√Hz					
Spectral Noise(10 Hz)(X & Y)		0.001 lb/√Hz	0.00445 N/√Hz					
Spectral Noise(100 Hz)(X & Y)		0.0004 lb/√Hz	0.00178 N/√Hz					
Spectral Noise(1,000 Hz)(X & Y)		0.0001 lb/√Hz	0.000445 N/√Hz					
Spectral Noise(1 Hz)(Z)		0.02 lb/√Hz	0.089 N/√Hz					
Spectral Noise(10 Hz)(Z)		0.005 lb/√Hz	0.0222 N/√Hz					
Spectral Noise(100 Hz)(Z)		0.002 lb/√Hz	0.0089 N/√Hz					
Spectral Noise(1,000 Hz)(Z)		0.0005 lb/√Hz	0.00222 N/√Hz					
Output Polarity		Positive	Positive					
Electrical Isolation		≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm					
Physical								
Preload		40,000 lb	178 kN	[4]				
Stiffness(X or Y Axis)		6.9 lb/μin	1,215 N/μm	[2][5]				
Stiffness(Z Axis)		37.9 lb/μin	6,645 N/μm	[2][5]				
Stiffness(RX or RY Axis)		1.1E7 lbf*in/radian	1.3E6 N*m/radian	[2][5]				
Stiffness(RZ Axis)		1.2E7 lbf*in/radian	1.4E6 N*m/radian	[2][5]				
Coupled Stiffness		0.6 lbf*in/μin	2.7 N*m/μm	[2][5]				
Weight		9.65 oz	274 gm					
Housing Material		Stainless Steel	Stainless Steel					
Sealing		Hermetic	Hermetic					
Electrical Connector		4-Pin	4-Pin					
Electrical Connection Position		Side	Side					
							SUPPLIED ACCESSORIES: Model 081A71 Mounting Stud (1) Model 082B06 Anti-Friction Washer (1) Model 083A11 Pilot Bushing (1) Model M081A71 Mounting Stud (1)	
		Entered: ND						
		Date: 08/07/2025						
		Date: 08/07/2025						
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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.

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