

Model Number 261B01		3-COMPONENT ICP® FORCE SENSOR		Revision: C ECN #: 55753											
Performance		ENGLISH	SI	OPTIONAL VERSIONS											
Sensitivity(± 20 %)(Z Axis)		2.5 mV/lb	0.56 mV/N	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount W - Water Resistant Cable											
Sensitivity(± 20 %)(X or Y Axis)		10 mV/lb	2.25 mV/N												
Measurement Range(Z Axis)		1,000 lb	4.45 kN												
Measurement Range(X or Y Axis)		500 lb	2.22 kN												
Maximum Force(Z Axis)		1,320 lb	5.87 kN												
Maximum Force(X or Y Axis)		660 lb	2.94 kN												
Maximum Moment(Z Axis)		16 ft-lb	21.7 Nm												
Maximum Moment(X or Y Axis)		37 ft-lb	50.2 Nm												
Broadband Resolution(Z axis)		0.006 lb-rms	0.027 N-rms			[1]									
Broadband Resolution(X or Y axis)		0.002 lb-rms	0.0089 N-rms			[1]									
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			[2]									
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)		0.0003 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(1,000 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(1,000 Hz)(Z)		0.000055 lb/√Hz	0.000245 N/√Hz												
Output Polarity		Positive	Positive												
Electrical Isolation		≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm												
Physical															
Stiffness(X or Y Axis)		1.9 lb/μin	330 N/μm	[1][3]											
Stiffness(Z Axis)		4.9 lb/μin	860 N/μm	[1][3]											
Stiffness(RX or RY Axis)		7.5E5 lbf*in/radian	8.5E4 N*m/radian	[1][3]											
Stiffness(RZ Axis)		3.4E5 lbf*in/radian	3.8E4 N*m/radian	[1][3]											
Coupled Stiffness(X- RY or Y- RX Axis)		1.0 lbf*in/μin	4.4 N*m/μm	[1][3]											
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 UK CA [4] 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. ICP® is a registered trademark of PCB Piezotronics, Inc. <table><tr><td>Entered: ND</td><td>Engineer: EB</td><td>Sales: BS</td><td>Approved: RPF</td><td>Spec Number:</td></tr><tr><td>Date: 07/11/2025</td><td>Date: 07/11/2025</td><td>Date: 07/11/2025</td><td>Date: 07/11/2025</td><td>74520</td></tr></table> PCB PIEZOTRONICS AN AMPHENOL COMPANY Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com 3425 Walden Avenue, Depew, NY 14043						Entered: ND	Engineer: EB	Sales: BS	Approved: RPF	Spec Number:	Date: 07/11/2025	Date: 07/11/2025	Date: 07/11/2025	Date: 07/11/2025	74520
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