



Model Number 260A02	3-COMPONENT ICP [®] FORCE SENSOR			Revision D ECN #: 27553										
Performance	ENGLISH	SI		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)										
Sensitivity (±20 %) (z axis)	2.5 mV/lb	0.56 mV/N	[1][2]	for standard model except where noted below. More than one option maybe used.)										
Sensitivity (±20 %) (x or y axis)	5 mV/lb	1.12 mV/N	[1][2]	M - Metric Mount										
Measurement Range (z axis)	1000 lb	4.45 kN		Supplied Accessory: Model M081A74 Mounting Stud replaces Model 081A74										
Measurement Range (x or y axis)	1000 lb	4.45 kN		W - Water Resistant Cable										
Maximum Force (z axis)	1320 lb	5.87 kN		Electrical Connection Position										
Maximum Force (x or y axis)	1000 lb	4.45 kN		Side										
Maximum Moment (z axis)	40 ft-lb	54.23 Nm		Side										
Maximum Moment (x or y axis)	70 ft-lb	94.91 Nm		Notes										
Broadband Resolution (z axis)	0.006 lb-rms	0.027 N-rms	[3]	[1] Sensitivities are for listed preload. Sensitivities may vary ±5% depending on preload used.										
Broadband Resolution (x or y axis)	0.006 lb-rms	0.027 N-rms	[3]	[2] Sensitivities are dependent upon supplied bolt.										
Upper Frequency Limit	90 kHz	90 kHz		[3] Typical.										
Low Frequency Response (-5 %) (z-axis)	0.01 Hz	0.01 Hz		[4] Zero-based, least-squares, straight line method.										
Low Frequency Response (-5 %) (x or y axis)	0.001 Hz	0.001 Hz		[5] Preload should be at least 10 times the X and Y operating range used.										
Non-Linearity	≤1 % FS	≤1 % FS	[4]	[6] See PCB Declaration of Conformance PS023 for details.										
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												
Output Polarity	Positive	Positive												
Physical														
Preload	10000 lb	44.48 kN	[5]											
Stiffness (z axis)	19 lb/μin	3.3 kN/μm	[3]											
Stiffness (x or y axis)	6 lb/μin	1 kN/μm	[3]											
Size (Height x Length x Width x Bolt Diameter x ID x Sensing Surface)	0.390 in x 1.35 in x	9.90 mm x 34.3 mm x												
	1.25 in x 0.512 in x	31.8 mm x 13 mm x												
	0.512 in x 0.920 in	13 mm x 23.37 mm												
Weight	1.59 oz	45 gm												
Housing Material	Stainless Steel	Stainless Steel												
Sealing	Hermetic	Hermetic												
Electrical Connector	4-Pin	4-Pin												
Electrical Connection Position	Side	Side												
				<table border="1"> <tr> <td data-bbox="1129 1149 1312 1198">Entered: BLS</td> <td data-bbox="1312 1149 1480 1198">Engineer: RWM</td> <td data-bbox="1480 1149 1648 1198">Sales: RPF</td> <td data-bbox="1648 1149 1837 1198">Approved: BLS</td> <td data-bbox="1837 1149 2026 1198">Spec Number:</td> </tr> <tr> <td data-bbox="1129 1198 1312 1247">Date: 10/23/2007</td> <td data-bbox="1312 1198 1480 1247">Date: 10/22/2007</td> <td data-bbox="1480 1198 1648 1247">Date: 10/22/2007</td> <td data-bbox="1648 1198 1837 1247">Date: 10/24/2007</td> <td data-bbox="1837 1198 2026 1247">12719</td> </tr> </table>	Entered: BLS	Engineer: RWM	Sales: RPF	Approved: BLS	Spec Number:	Date: 10/23/2007	Date: 10/22/2007	Date: 10/22/2007	Date: 10/24/2007	12719
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				 <p data-bbox="1564 1274 1795 1453">3425 Walden Avenue Depew, NY 14043 UNITED STATES Phone: 800-828-8840 Fax: 716-684-0987 E-mail: info@pcb.com Web site: www.pcb.com</p>										
														

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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