Model Number VO622B01	HIGH FREC	QUENCY INC	DUSTRIAL	ICP [®] VELOC	CITY SEI	NSOR		evision: B CN #: 53241
Performance	ENGLISH	SI				TIONAL VERSIO		
Sensitivity(± 10 %)	100 mV/in/sec	3,937 mV/m/sec	[1]	Optional versions have id	entical specifica	tions and accessorie:	s as listed for the star	ndard model exce
Measurement Range	± 50 in/sec	± 1.27 m/sec	[1]	w	here noted below	w. More than one op	tion may be used.	
Frequency Range(± 10 %)	240 to 270,000 cpm	4 to 4,500 Hz	[2][3]	EX - Hazardous Area A	Approval contac	t factor (for		
Frequency Range(± 3 dB)	180 to 540,000 cpm	3 to 9,000 Hz	[2][3]	specific approvals				
Resonant Frequency		30 kHz	[A]	specific approvais				
Broadband Resolution(1 to 10,000 Hz)	1,800 kcpm		[4]	M - Metric Mount		A CI		
	450 µin/sec	11.4 µm/sec	[4]	Supplied Accessory: Mo		lounting Stud 1/4-28	3 to Mb X I (I)	
Non-Linearity	± 1 %	±1%	[5]					
Transverse Sensitivity En vironmen tal	≤ 5 %	≤ 5 %						
		49.050 m/s ² pk						
Overload Limit(Shock)	5,000 g pk							
Temperature Range	-65 to +250 °F	-54 to +121 °C	F 43					
Temperature Response	See Graph	See Graph	[4]					
Enclosure Rating	IP68	IP68						
Electrical								
Settling Time(within 1% of bias)	≤ 30 sec	≤ 30 sec						
Excitation Voltage	18 to 28 VDC	18 to 28 VDC						
Constant Current Excitation	2 to 10 mA	2 to 10 mA						
Output Impedance	< 100 Ohm	< 100 Ohm						
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC						
Spectral Noise(10 Hz)	40 µin/sec/√Hz	1.12 µm/sec/√Hz	[4]					
Spectral Noise(100 Hz)	7.0 µin/sec/√Hz	0.18 µm/sec/√Hz	[4]					
Spectral Noise(1 kHz)	0.4 µin/sec/√Hz	0.01 µm/sec/√Hz	[4]					
Electrical Protection	RFI/ESD	RFI/ESD						
Electrical Isolation	> 10 ⁸ Ohm	> 10 ⁸ Ohm						
Physical								
Size (Hex x Height)	7/8 in x 2.06 in	22 mm x 52.3 mm						
Weight	3.3 oz	94 gm						
Mounting Thread	1/4-28 Female	1/4-28 Female	[6]					
Mounting Torque	2 to 5 ft-lb	2.7 to 6.8 Nm	[0]					
Sensing Element	Ceramic	Ceramic						
Sensing Geometry	Shear	Shear						
Housing Material	Stainless Steel	Stainless Steel						
Sealing	Welded Hermetic	Welded Hermetic		NOTES:				
Electrical Connector	2-Pin MIL-C-5015	2-Pin MIL-C-5015			$a = 0.91 m / c^{2}$			
Electrical Connection Position	Тор	Top		[1]Conversion Factor 1		urate within +10% of	the specified frequer	
	100			 [2]The high frequency tolerance is accurate within ±10% of the specified frequency. [3]1Hz = 60 cpm (cycles per minute). 				
					s per minute).			
				[4]Typical.[5]Zero-based, least-squares, straight line method.[6]1/4-28 has no equivalent in S.I. units.				
	Typical Sensi	tivity Deviation vs Temp	erature	SUPPLIED ACCESS	ODIES			
	- 10							
	> € 10			Model 081A40 Mounting Stud (1) Model ICS-8 NIST-traceable single-axis amplitude response calibration from 600 cpm (10Hz) to upper 10% frequency. (1)				
	žš							
	iši≩ 0- <u> </u>			Model M081A61 Mount		to M6 X 1 (1)		
	via el			Model Mob TAOT Modifie	ung 3tuu 1/4-20			
	Deviation(%)							
		15 35 85 135	405 005					
	-65 -	15 35 85 135	5 185 235					
		Temperature (°F)		Entered: ND Engi	ineer: BAM	Sales: JL	Approved: BAM	Spec Number:
_						Date: 10/03/2022	Date: 10/03/2022	68937
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(CX/J)				Phone: 800-959-4464 Fax: 716-684-3823				
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					ONICE DIV	E-IVIAII:I	mepto.com	
All specifications are at room temperature	unless otherwise specified.			A PCB PIEZOTE 3425 Walden Avenue, D		2		
n the interest of constant product improver	nent, we reserve the right to ch	ange specifications withou	t notice.	5425 walden Avenue, D	epew, NY 14043	2		
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