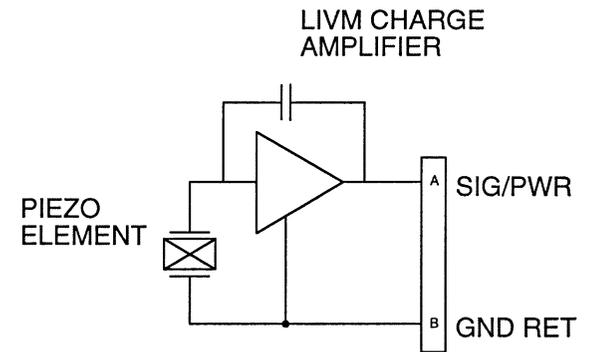
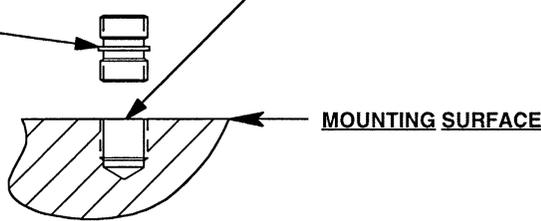


6176 MOUNTING STUD (SUPPLIED)



①
1. WEIGHT - 107 GRAMS.

EXCEPT AS OTHERWISE NOTED	
ALL DIMENSIONS IN INCHES TOLERANCE: .XXX = ± .XX = ±	
SURFACE FINISH EXCEPT AS NOTED	✓
BREAK EDGES TO DEBURR RADIUS OR CHAMFER	
△ THESE DIAS ⊙ TO T.I.R.	
FILLETS -	MAX RAD.

		<h1>MASTER ONLY IF IN RED</h1>		CHATSWORTH, CA.	
SCALE	1X	REV	A	DATE	2-10-03
DATE	7-29-02	PART NO.	N/A		
DRAWN	N.C.	CHECKED	R.A.	MATL	
APPROVED	<i>Am L 9.23.05</i>		NEXT ASSEMBLY	USED ON	
TITLE			OUTLINE/INSTALLATION DRAWING MODEL 3184E		
DWG NO.			127-3184E		
SHEET			1 OF 1		

Model Number 3184E	PERFORMANCE SPECIFICATION	DOC NO PS3184E
SINGLE AXIS INDUSTRIAL IEPE ACCELEROMETER		REV B, ECN 15646, 03/24/2020



- EXCELLENT LINEARITY
- HERMETICALLY SEALED

PHYSICAL

Weight, Max
Connector
Mounting Provision
Material : Housing, Base and Connector
Element Style

ENGLISH		SI	
Type	3.75 oz	107 grams	
	2-PIN, MIL-DTL-5015	2-PIN, MIL-DTL-5015	
	1/4-28 Tapped hole	1/4-28 Tapped hole	
	300 Series S.S.	300 Series S.S.	
	Planar Shear	Planar Shear	

PERFORMANCE

Sensitivity, ±5% [1]
Range F.S for ± 5 Volts Output
Frequency Range ±5%
Frequency Range ±3dB
Resonant Frequency
Equivalent Electrical Noise Floor
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity

	100 mV/g	10.19 mV/m/s ²	
	±50 g	±1962 m/s ²	
	0.45 to 5000 Hz	0.45 to 5000 Hz	
	0.15 to 10000 Hz	0.15 to 10000 Hz	
	>25 kHz	>25 kHz	
	0.0005 Grms	0.0049 m/s ² rms	
	± 2 % F.S.	± 2 % F.S.	
	5 %	5 %	
	0.0001 g/μe	0.001 m/s ² /μe	

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

	100 G's,peak	981 m/s ² peak	
	3000 G's,peak	29430 m/s ² peak	
	-60 to+250 °F	-52 to +121 °C	
	Hermetic	Hermetic	

ELECTRICAL

Supply Current Range [3]
Compliance Voltage Range
Output Impedance, Typ
Bias Voltage
Discharge Time Constant
Output Signal Polarity Toward Top

	2 to 20 mA	2 to 20 mA	
	+ 20 to +30 Volts	+ 20 to +30 Volts	
	100 Ω	100 Ω	
	+11 to +13 VDC	+11 to +13 VDC	
	0.9 to 2.0 Sec	0.9 to 2.0 Sec	
	Positive	Positive	

This family also includes:

Model	Sensitivity	Range F.S ± 5 Volts	Max Vibration/Shock	Resonant Frequency

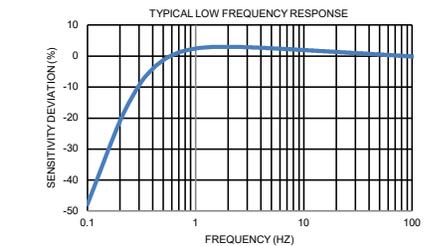
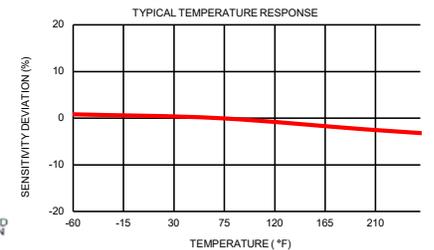
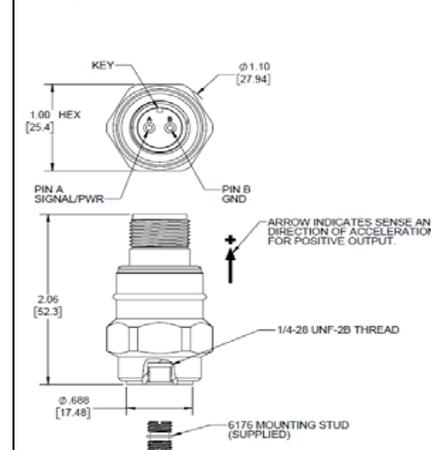
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6176, 1/4-28 S.S. Mounting Stud

Notes:

- [1] Measured at 100Hz, 1 Grms per ISA RP 37.2
 - [2] Measure using zero-based straight line method, % of F.S. or any lesser range.
 - [3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.
 - [4] In the interest of constant product improvement, we reserve the right to change specifications without notice.
- It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application. Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary overtime. All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3184E for more information.



21592 Marilla Street, Chatsworth, California 91311 Phone: 818.700.7818 Fax:818.700.7880 www.dytran.com
For permission to reprint this content, please contact info@dytran.com