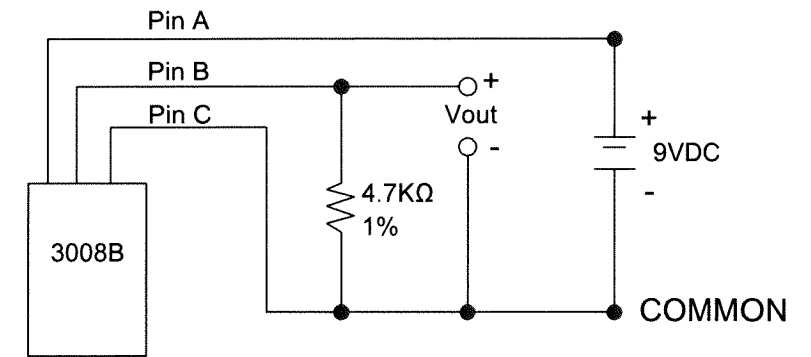
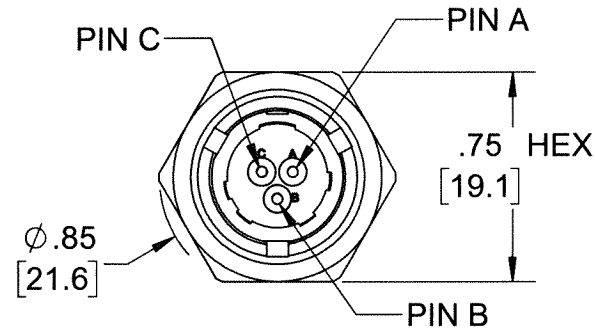


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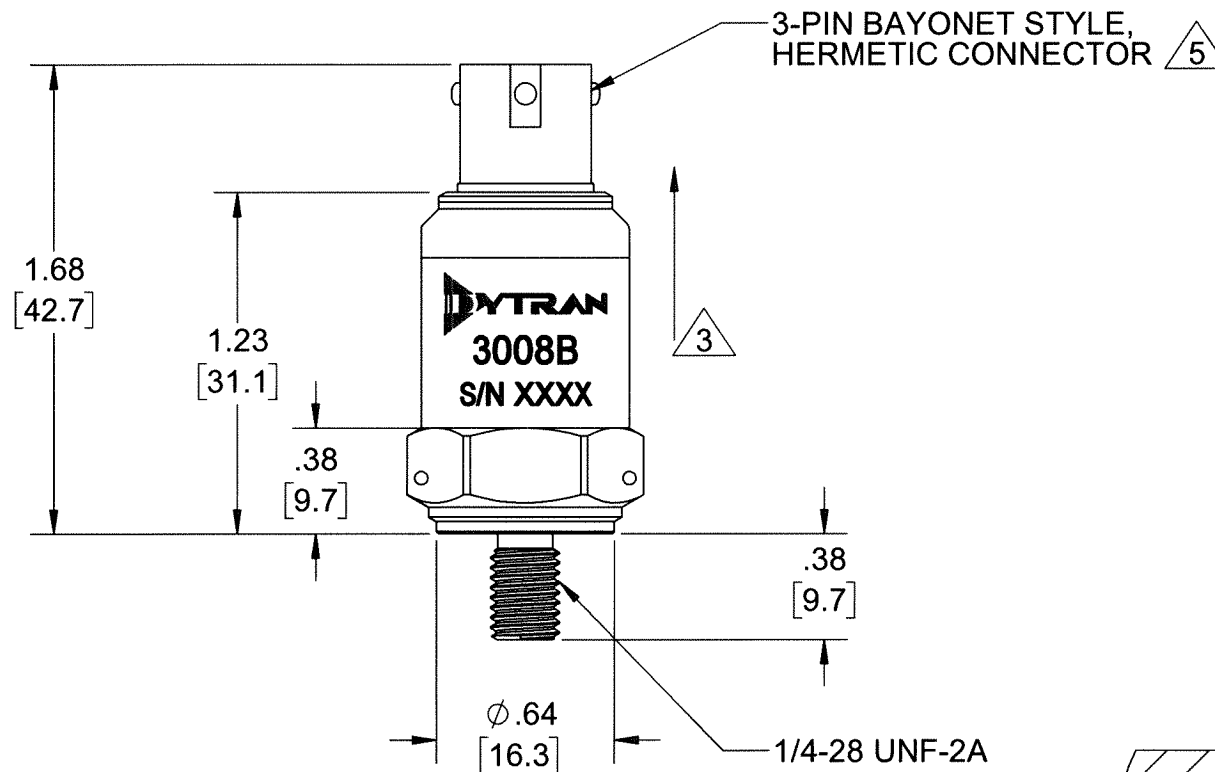
REVISIONS					
REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14318	INITIAL RELEASE	LN 06/29/18	EP	AS
B	14458	IS: 120-0076-01, WAS: 120-0536-01, ZONE C3 DELETED: MIL-DTL-26482, MS3113H8A3P	DP 09/04/18	<i>DP</i>	<i>LN</i>

PINOUT:
PIN A: +9VDC
PIN B: SIGNAL (+)
PIN C: COMMON



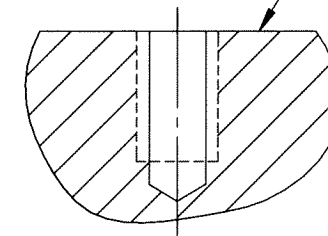
CALIBRATION POWERING DIAGRAM

NOTE: This powering method is used for calibration purposes only.



MOUNTING SURFACE PREPARATION:

PREPARE FLAT CIRCULAR AREA APPROX. ϕ .750 [.19], FLAT TO WITHIN .001 T.I.R. TAP 1/4-28 UNF-2B X .42 [10.7] MIN. DEPTH. MOUNTING TORQUE: 12-14 Lb-in



5 TYPICAL MATING CONNECTORS: 62GB-56T-08-03S OR PT06A-8-3S OTHER VARIATIONS AVAILABLE.

4. POWER/SIGNAL GROUND INSULATED FROM OUTER CASE. INSULATION RESISTANCE: >10 GOHMS.

3 ARROW INDICATES DIRECTION OF ACCELERATION FOR POSITIVE OUTPUT FROM PIN 'B'

2. MATERIAL, BODY & CONNECTOR: 300 SERIES STAINLESS STEEL.

1. WEIGHT: 65 GRAMS, MAX.

NOTES: UNLESS OTHERWISE SPECIFIED

NOTES: UNLESS OTHERWISE SPECIFIED

<small>UNLESS OTHERWISE SPECIFIED: INTERPRET DIM & TOL PER ASME Y14.5M - 1994. REMOVE BURRS. COUNTERSINK INTERNAL THDS 90° TO MAJOR DIA. CHAM EXT THDS 45° TO MINOR DIA. THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS. DIMENSIONS APPLY AFTER FINISHING.</small>	<small>UNLESS OTHERWISE SPECIFIED: DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE:</small>					MASTER ONLY IF IN RED			
	<small>DECIMALS .XX ± .03 .XXX ± .010</small>	<small>METRIC X ± 0.8 .XX ± 0.25</small>	<small>ANGLES ± 1°</small>						
	APPROVALS		DATE		TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 3008B				
	<small>ORIG</small> LN	<small>CHK</small> EP	05/26/16 07/24/18						
<small>APP</small> AS		07/24/18		SIZE B	CAGE CODE 2W033	DWG NO 127- 3008B	REV B		
<small>ALL MACHINED SURFACES: \checkmark 63/ TOTAL RUNOUT WITHIN .005. BREAK SHARP EDGES .005 TO .010. MACHINED FILLET RADII .005 TO .015. WELDING SYMBOLS PER AWS A2.4. ABBREVIATIONS PER MIL-STD-12.</small>				<small>DO NOT SCALE DRAWING</small>		<small>THIRD ANGLE PROJECTION</small>		SCALE: 3:2	SHEET 1 OF 1

Model Number 3008B	PERFORMANCE SPECIFICATION	DOC NO PS3008B
	INTERNALLY AMPLIFIED ACCELEROMETER	REV C, ECN 15746, 05/13/20



- COMPATIBLE WITH HELICOPTER SYSTEMS
- BROAD FREQUENCY RANGE
- CASE ISOLATED
- HERMETICALLY SEALED

PHYSICAL

Weight, Max
Connector Type
Pins [1]
Mounting Provision : Integral Stud
Material : Housing, Base and Connector
Element Style

ENGLISH		SI	
2.3	oz	65	grams
MIL-DLT-26482		MIL-DLT-26482	
3-Pin		3-Pin	
1/4 - 28 UNF-2A Stud		1/4 - 28 UNF-2A Stud	
300 Series SS		300 Series SS	
Ceramic		Ceramic	

PERFORMANCE

Sensitivity, ±5% [2]
Acceleration Range
Frequency Response ±5%
±10%
±3dB
Resonant Frequency
Broadband Resolution
Spectral Noise 10 Hz
100 Hz
1000 Hz
Linearity [3]
Maximum Transverse Sensitivity
Electromagnetic Sensitivity
Base Strain Sensitivity, Max.

40	mV/g	4.1	mV/m/s ²
±40	g	±392.4	m/s ²
2.0 to 4000	Hz	2.0 to 4000	Hz
1.0 to 6000	Hz	1.0 to 6000	Hz
0.5 to 12000	Hz	0.5 to 12000	Hz
>20	kHz	>20	kHz
500	µg	4905	m/s ² rms
7.0	µg/√Hz	69	m/s ² rms/√Hz
1.3	µg/√Hz	13	m/s ² rms/√Hz
0.9	µg/√Hz	9	m/s ² rms/√Hz
± 1%	% F.S.	± 1%	% F.S.
7	%	7	%
40	µg/Gauss	392.4	µm/s ² /Gauss
0.002	g/µε	0.02	m/s ² /µε

ENVIRONMENTAL

Maximum Vibration
Maximum Shock
Temperature Range
Seal

±250	G's, peak	±2453	m/s ² peak
±1000	G's, peak	±9810	m/s ² peak
-67 to +250	°F	-55 to 121	°C
Hermetic		Hermetic	

Electrical

Power requirement: Voltage source
Output Impedance, Max.
Bias Voltage
Electrical Isolation, Pins to case
Discharge Time Constant

+9	VDC	+9	VDC
2400	Ω	2400	Ω
+3.0 to +4.0	VDC	+3.0 to +4.0	VDC
10	GΩ, min	10	GΩ, min
0.3 - 1.0	Sec	0.3 - 1.0	Sec

This family also includes:

Model	Sensitivity	Acceleration Range	Max Vibration/Shock	Resonant Frequency

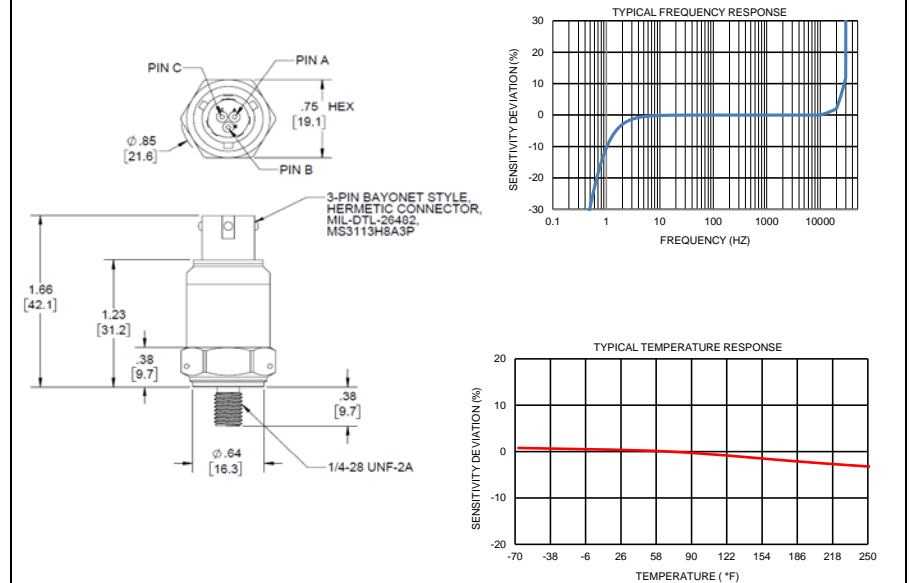
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Pin A - (+)9VDC, Pin B - Signal, Pin C - Common
- [2] As measured across a 4.7kΩ load. Sensitivity is 60mV/g as measured in operating system.
- [3] Measure using zero-based straight line method, % of F.S. or any lesser range.
- [4] Lock wire holes are included in the base
- [5] 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 over time. 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 127-3008B for more information.



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