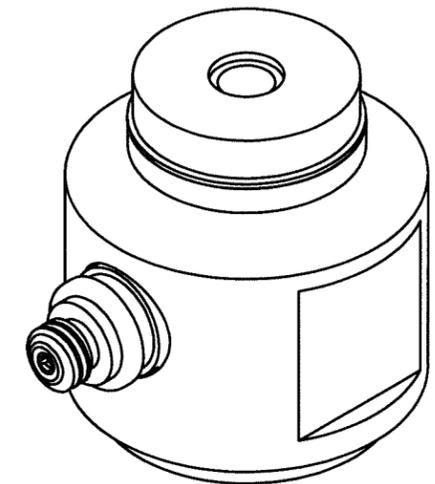
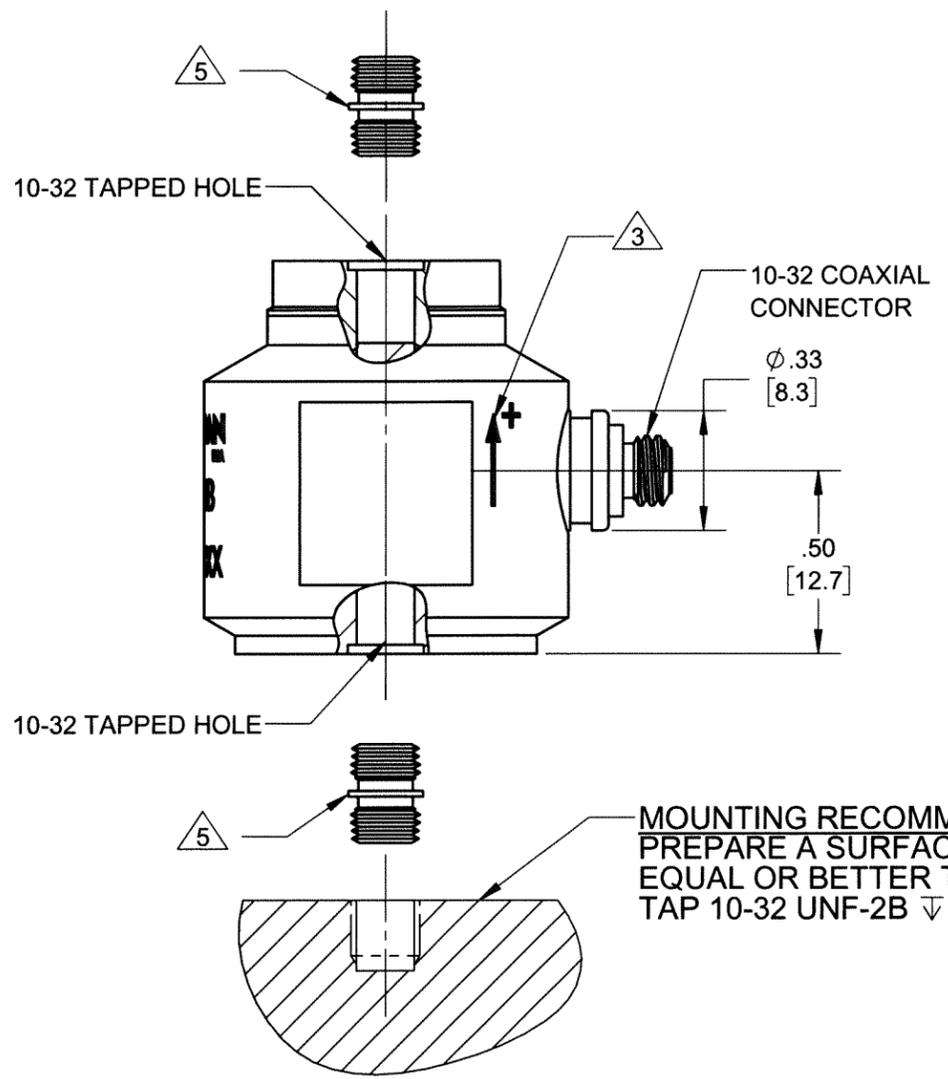
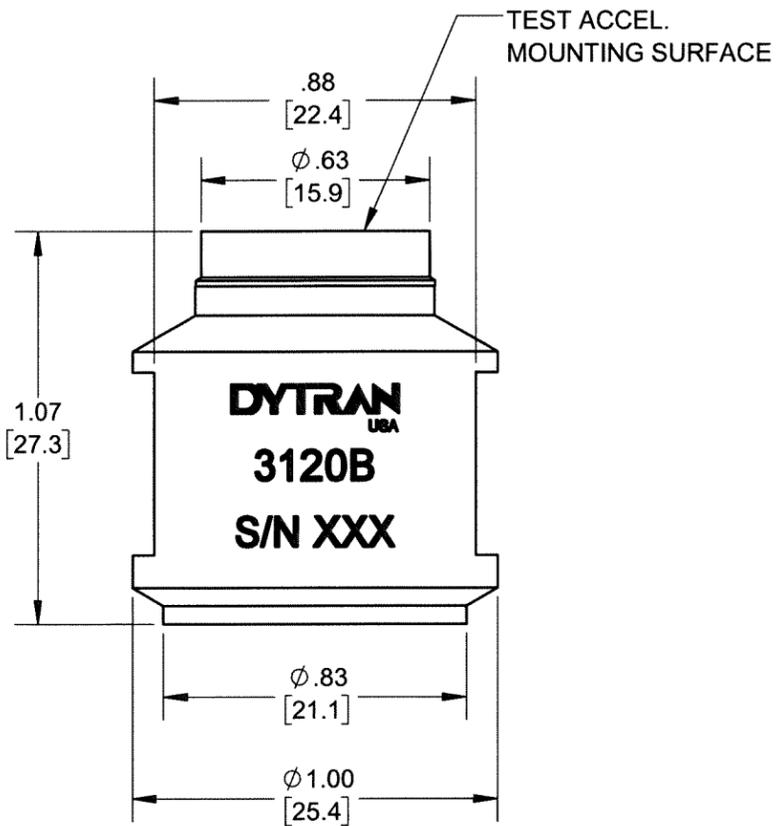


PROPRIETARY AND CONFIDENTIAL

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REVISIONS

REV.	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	14353	INITIAL RELEASE	KG 07/31/18	hw	EM



- 5 MOUNTING STUD MODEL 6200 SUPPLIED.
 - 4 ARROW INDICATES DIRECTION OF ACCELERATION FOR NEGATIVE CHARGE OUTPUT.
 - 3. WEIGHT: 85 GRAMS, MAX.
 - 2. INSTALLATION TORQUE: 15 LB-IN ON TWO FLATS.
 - 1. MATERIAL: 300 SERIES SS
- NOTES: UNLESS OTHERWISE SPECIFIED

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.		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS () ARE IN MILLIMETERS TOLERANCES ARE:		<p>Chatsworth, CA</p>		<p>MASTER ONLY IF IN RED</p>										
DECIMALS .XX ±.03 .XXX ±.010	METRIC X ± 0.8 XX ±0.25	ANGLES ±1°	<p>APPROVALS</p> <table border="1"> <tr> <th>ORIG</th> <th>KG</th> <th>DATE</th> </tr> <tr> <td>CHK</td> <td>EM</td> <td>8/15/18</td> </tr> <tr> <td>APP</td> <td>hw</td> <td>8/15/18</td> </tr> </table>		ORIG	KG	DATE	CHK	EM	8/15/18	APP	hw	8/15/18	<p>TITLE:</p> <p>OUTLINE/INSTALLATION DWG, MODEL 3120B</p>		<p>DO NOT SCALE DRAWING</p>
ORIG	KG	DATE														
CHK	EM	8/15/18														
APP	hw	8/15/18														
<p>ALL MACHINED SURFACES. 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.</p>			<p>SIZE B</p>	<p>CAGE CODE 2W033</p>	<p>DWG NO 127-3120B</p>	<p>REV A</p>	<p>SCALE: 2:1</p>	<p>SHEET 1 OF 1</p>								



- ACCELEROMETER FOR BACK-TO-BACK CALIBRATION
- EXCELLENT LINEARITY

PHYSICAL

Weight, Max
Connector
Mounting Provision
Material
Element Style

Top and Bottom Tapped Holes
Housing and Connector
Type

ENGLISH		SI	
3.0	oz	85	grams
10-32 Coaxial		10-32 Coaxial	
10-32		10-32	
300 Series Stainless Steel		300 Series Stainless Steel	
Planar Shear		Planar Shear	

PERFORMANCE

Sensitivity, ±5% [1]
Range F.S
Frequency Response, ±2%
Resonant Frequency
Equivalent Electrical Noise Floor, Max
Linearity [2]
Maximum Transverse sensitivity
Strain Sensitivity @ 250µε

10	mV/g	1.02	mV/m/s ²
500	g	4905	m/s ²
10 to 10000	Hz	10 to 10000	Hz
>40	kHz	>40	kHz
0.020	Grms	0.20	m/s ² rms
± 1	% F.S.	± 1	% F.S.
3	%	3	%
0.002	g/µε	0.02	m/s ² /µε

ENVIRONMENTAL

Shock Max
Vibration Max
Temperature Range
Seal

3000	G pk	29430	m/s ²
1000	G's	9810	m/s ²
-60 to +200	*F	-51 to +93	*C
Epoxy		Epoxy	

ELECTRICAL

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

2 to 20	mA	2 to 20	mA
+ 18 to +20	Volts	+ 18 to +20	Volts
<100	Ω	<100	Ω
7.5 to 9.5	VDC	7.5 to 9.5	VDC
0.5 to 1.5	Sec	0.5 to 1.5	Sec

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)

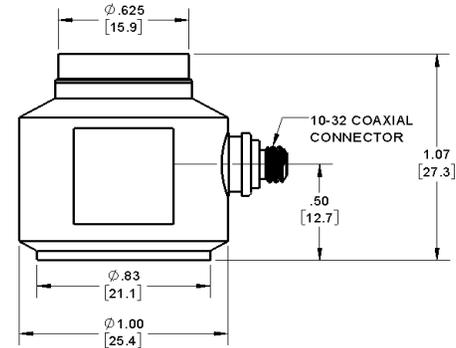
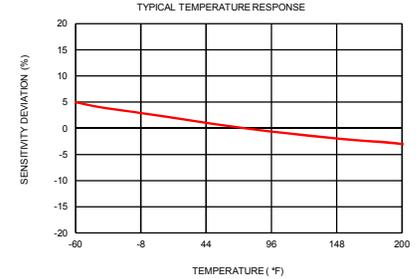
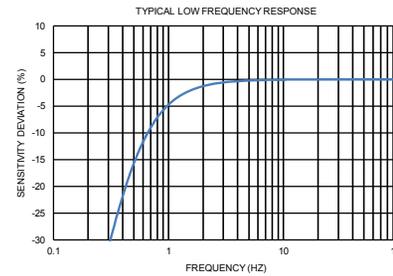
Refer to the performance specifications of the products in this family for detailed description.

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)
- 2) Model 6200 Mounting Studs, qty 2
- 3) Model 6201 Mounting Stud, qty 1
- 4) Model 6213 Adhesive Mounting Base, qty 1

Notes:

- [1] Measured at 100 Hz, 1 Grms per ISA RP 37.2
- [2] Measured 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] System calibrated at factory with NIST traceable transfer standard accelerometer weighing 19 grams. NIST traceability number supplied with each system calibration.
- [5] Mounts in available Model 4200 19-inch wide equipment rack. Up to 10 units fit in one rack.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3120B for more information.

