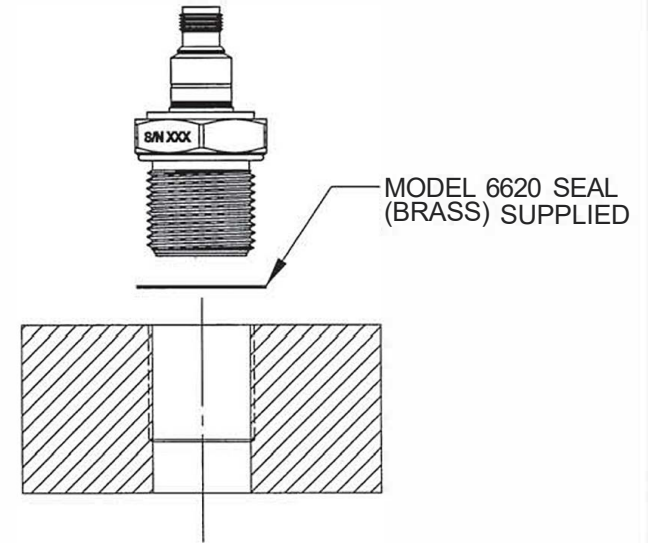
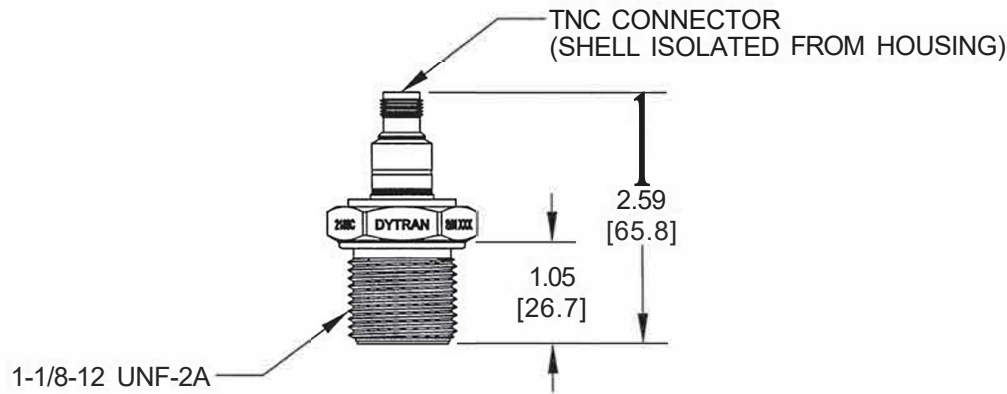
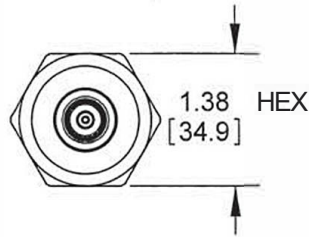


PROPRIETARY AND CONFIDENTIAL		REVISIONS					
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		C	7110	REDRAWN AND REFORMATTED	RLA, 10/15/10	ep	DV



PORT PREPARATION DRILL OR BORE
 1 3/64 (01.046 [026.6]) X 1.30 [33] w
 TAP 1 1/8-12 X 1.10 [28] w

3. TORQUE IN PLACE WITH 60 LB-INCHES OF TORQUE.
2. PRESSURE ELEMENT IS INTERNALLY CASE ISOLATED, ENCLOSED BY A FARAFDAY SHIELD AND ACCELERATION COMPENSATED.
1. MATERIAL: HOUSING AND DIAPHRAGM-316L STAINLESS STEEL.

NOTES: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED: INTERPRET D&A & TOL PER ASME v.4.5M 1994 REMOVE BURRS COUNTERSINK INTERNAL THDS 90° TO MAJOR DL CHAMEXTTHDS4S-TOMINORDL THD LENGTHS AND DEPTHS ARE FOR MIN FULL THDS THDS PER MIL-S-7742. DIMENSIONS APPLY AFTER FINISHING.	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. DIMENSIONS IN BRACKETS [] ARE IN MILLIMETERS TOLERANCES ARE: INCHES METRIC ANGLES .XX ± .03 .X ± 0.8 t 1° .XXX ± 0.10 .XX ± 0.25
2180C D.O.N. / NEXT AS.S.Y. APPLICATION 1-THRD ANGLE PROJECT, ON USA	MATERIAL FINISH DO NOT SCALE DRAWING

APPROVALS		DATE
ORIG	NC	4/10/02
CHK	RA	4/10/02
APP	NC	4/10/02
APP		

11 s 1 E R 1 NsTauMENrs, 1Nc. !!f i h A IN R£0			
TITLE: OUTLINE/INSTALLATION DRAWING, MODEL 2180C			
SIZE A	CAGE CODE 2W033	DWG. NO. 127-2180C	REV C
SCALE: NONE	SOLIDWORKS	SHEET 1 OF 1	

SPECIFICATIONS, MODEL 2180C HIGH INTENSITY ACOUSTIC SENSOR

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	155	grams
SIZE (BODY HEX x HEIGHT)	1-3/8 x 2.56	inches
MOUNTING PROVISION	1-1/8-12 thread	
CONNECTOR, COAXIAL, AXIALLY MOUNTED	TNC	
BODY/CONNECTOR MATERIAL	316L stainless steel	
DIAPHRAGM MATERIAL	316L stainless steel	
PERFORMANCE		
SENSITIVITY, ± 20% [1] [3]	600	pC/psi
RANGE F.S.	10 (191 db)	psi (db)
ABSOLUTE MAXIMUM PRESSURE	600 (226)	psi (db)
MOUNTED RESONANT FREQUENCY, NOM.	21	kHz
NON-LINEARITY (ZERO BASED BEST FIT ST. LINE METHOD) [2]	1.0	% F.S., MAX.
ACCELERATION SENSITIVITY, AXIAL DIRECTION	.02	psi/g
ENVIRONMENTAL		
MAXIMUM VIBRATION	± 100	g, RMS
MAXIMUM SHOCK	2000	g, PEAK
TEMPERATURE RANGE	-60 TO +500	°F
THERMAL COEFFICIENT OF SENSITIVITY	0.06	%/°F
SEAL	HERMETIC	welded glass to metal
ELECTRICAL		
OUTPUT SIGNAL POLARITY FOR INCREASING PRESSURE	negative	
CAPACITANCE, NOM.	1530	pF

SUPPLIED ACCESSORIES:

(1) MODEL 6620 BRASS SEAL

NOTES:

[1] 0 db REFERENCE: .0002 DYNES PER CM²

[2] PERCENT FULL SCALE, ZERO-BASED BEST FIT STRAIGHT LINE METHOD.

[3] A CALIBRATION CERTIFICATE TRACEABLE TO **NIST** IS SUPPLIED WITH EACH INSTRUMENT.



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