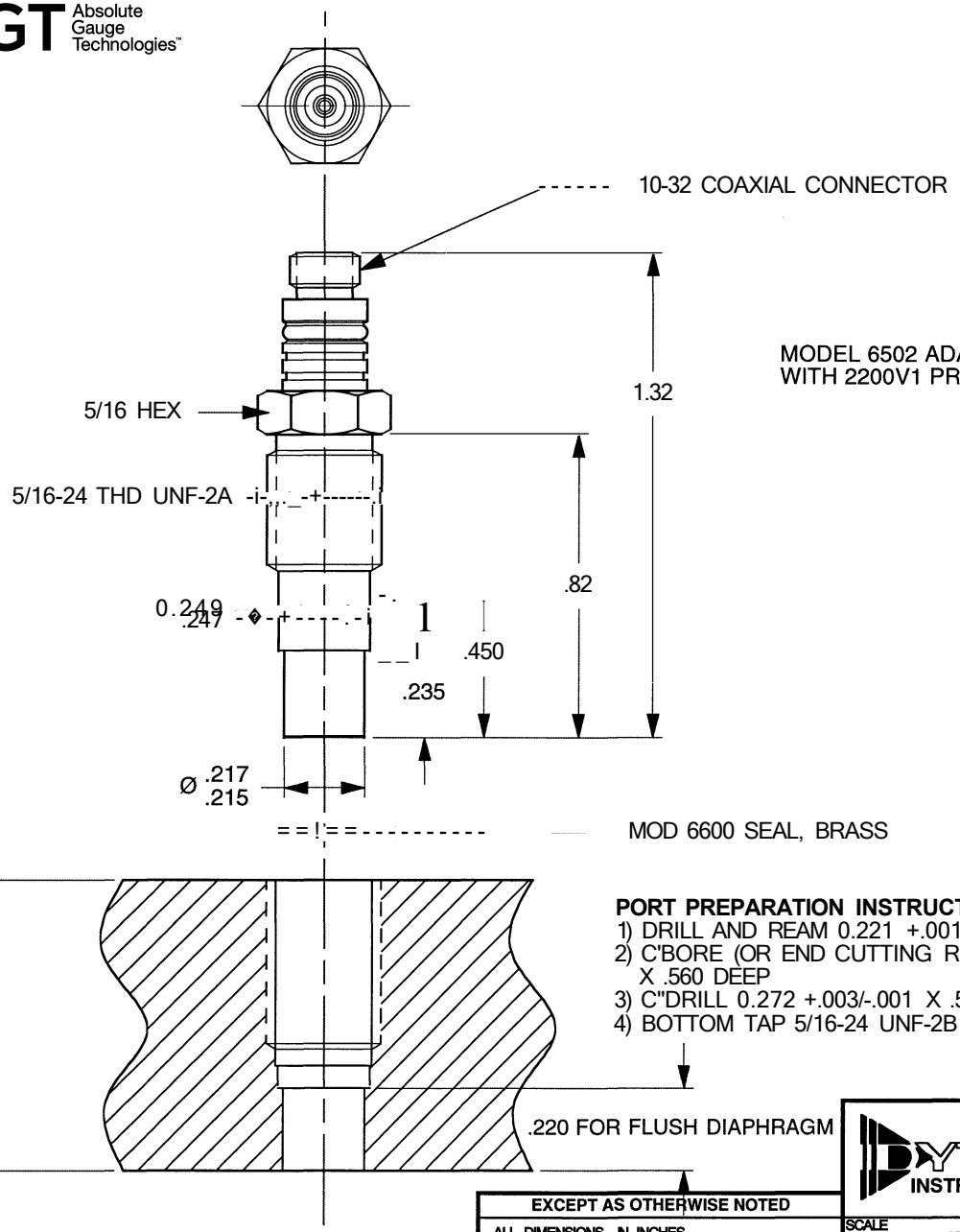
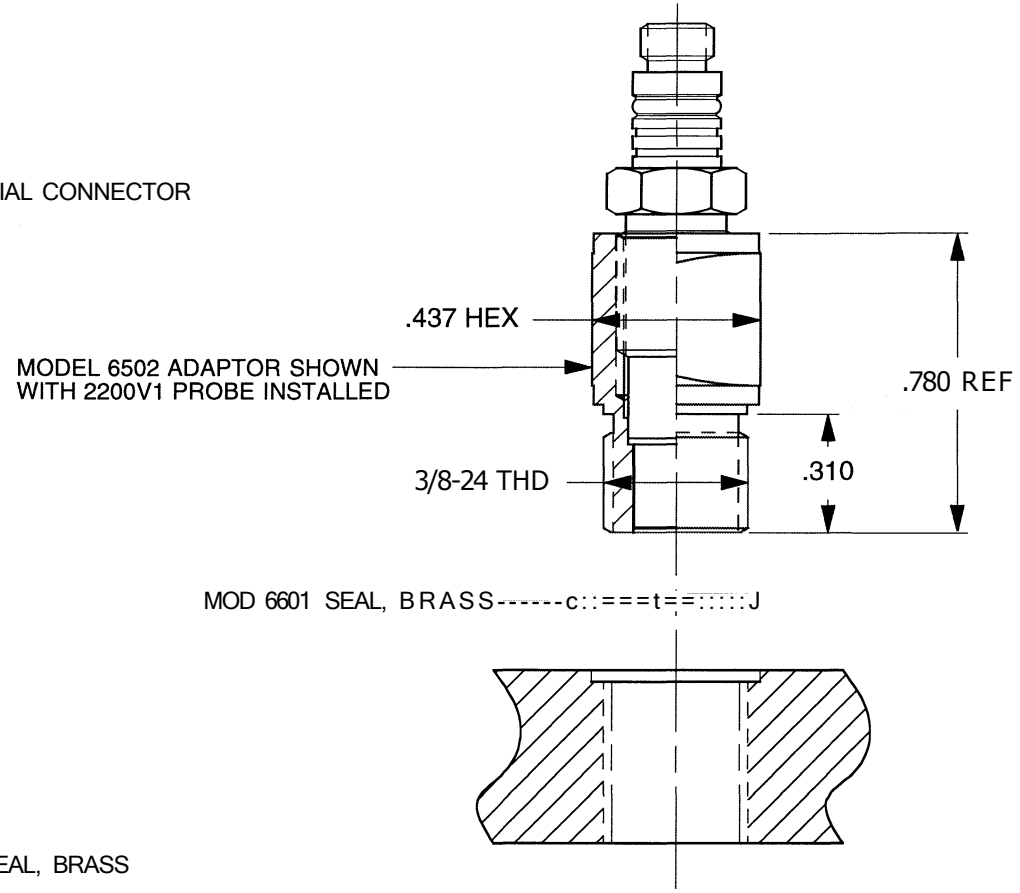
AGT Absolute Gauge Technologies™





PORT PREPARATION INSTRUCTIONS, 2200V 1
1) DRILL AND REAM 0.221 +.001/-.000 THRU
2) C'BORE (OR END CUTTING REAM) 1/4 (0.250) X .560 DEEP
3) C"DRILL 0.272 +.003/-.001 X .500 DEEP
4) BOTTOM TAP 5/16-24 UNF-2B X .440 MIN DEPTH

PORT PREPARATION INSTRUCTIONS, 6502
1) DRILL Q (0.332) THRU (OR .450 MIN DEPTH)
2) TAP 3/8-24 UNF-2B X .350 MIN DEPTH
3) C'BORE 0.437 +.003/-.000 X .030 DEEP

1) MOUNTING TORQUE FOR 2200V1 PROBE: 30 LB-INCHES.
2) MOUNTING TORQUE FOR 6502 ADAPTOR: 50-60 LB-INCHES.

ALL PART NUMBER LETTER SUFFIXES ARE TO BE INTERPRETED AS FOLLOWS:
I.E. - 107-0000-01®
M - MACHINED ONLY (UNPLATED)
P - PLATED/PAINTED
H - HEAT TREATED
G - MATERIAL HAS BEEN GRAINED
S - MATERIAL HAS BEEN SAWCUT
E - ENVIRONMENTAL TEST

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

DYTRAN INSTRUMENTS, INC. MASTER ONLY IF IN RED
CHATSWORTH, CA.

SCALE 2X	REV -	DATE -	ECN -		
DATE 8/6/96	PART NO.				
DRAWN N.C. / CHECKED D.Z.	MAT'L				
APPROVED	NEXT ASSEMBLY		USED ON		

TITLE
OUTLINE/INSTALLATION DRAWING, MODEL 2200V1

DWG NO. **127-2200V1**
SHEET 1 OF 1

SPECIFICATIONS MODELS 2200V1 & 2201V1
DYNAMIC PRESSURE SENSORS

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	6.0	GRAMS
SIZE (HEX X HEIGHT) MODEL 2200V1	.438 X 1.31	INCHES
MODEL 2201V1	.438 X 1.20	
MOUNTING PROVISION [1]	3/8-24 UNF-2A MALE THREAD	
CONNECTOR, AXIALLY MOUNTED AT TOP	10-32 UNF-2A	
BODY/CONNECTOR MATERIAL	STAINLESS STEEL, HARDENED	17-4 PH
DIAPHRAGM MATERIAL	STAINLESS STEEL	316L
PERFORMANCE		
SENSITIVITY, +20%/-10%	50	mV/Psi
RANGE F.S. FOR +5 VOLTS OUT	+100	Psi
MAXIMUM PRESSURE	1000	Psi
MOUNTED RESONANT FREQUENCY, NOM.	300	kHz
MINIMUM RISE TIME OF INPUT PRESSURE PULSE	2	µSEC
EQUIVALENT ELECTRICAL NOISE FLOOR (RESOLUTION)	.0014	Psi
NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD) [2]	±1	%F.S.
ACCELERATION SENSITIVITY, AXIAL DIRECTION	.001	Psi/G
DISCHARGE TIME CONSTANT	2.0	SEC
LOWER -3db FREQUENCY	.08	Hz
ENVIRONMENTAL		
MAXIMUM VIBRATION	5000	G's RMS
MAXIMUM SHOCK	10,000	G,' s PEAK
TEMPERATURE RANGE	-100 TO +250	°F
MAXIMUM FLASH TEMPERATURE AT DIAPHRAGM	+3000	°F
THERMAL COEFFICIENT OF SENSITIVITY	0.01	%/°F
ENVIRONMENTAL SEAL	HERMETIC	WELDED/GLASS TO METAL
ELECTRICAL		
EXCITATION (COMPLIANCE) VOLTAGE RANGE	+18 TO +30	VDC
EXCITATION CURRENT RANGE [3]	2 TO 20	mA
OUTPUT IMPEDANCE, NOM.	100	Ohms
OUTPUT BIAS VOLTAGE, NOM	+10	VDC
OUTPUT SIGNAL POLARITY FOR INCREASING PRESSURE	POSITIVE GOING	

SUPPLIED ACCESSORIES

MODEL 6600 SEAL, BRASS, 2 SUPPLIED, BOTH MODELS
MODEL 6507 CLAMP NUT, MODEL 2201V1 ONLY

NOTES:

[1] MODEL 2201V1 HAS A SEPARABLE CLAMP NUT INSTEAD OF INTEGRAL THREADS ON THE BODY LIKE THE 2200V1. DURING INSTALLATION OF THE 2201V1, THE CLAMP NUT ROTATES INDEPENDENT OF THE BODY. ALL OTHER SPECIFICATIONS ARE SIMILAR
[2] PERCENT FULL SCALE, ZERO BASED BEST FIT STRAIGHT LINE METHOD.
[3] FROM CONSTANT CURRENT TYPE POWER UNIT ONLY. THIS SENSOR **MUST NOT BE CONNECTED** TO A DC POWER SOURCE WITHOUT CURRENT LIMITING, 20 mA MAXIMUM.
3 A CALIBRATION CERTIFICATE TRACEABLE TO NIST IS SUPPLIED WITH EACH INSTRUMENT.