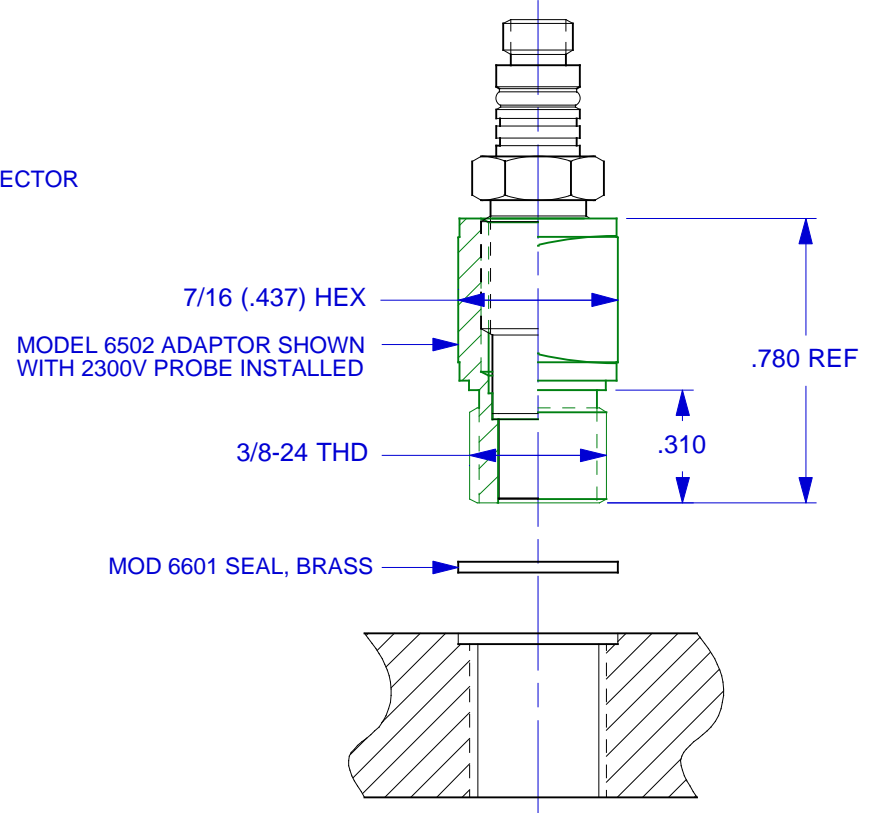


- PORT PREPARATION INSTRUCTIONS, 2300V**
1. DRILL AND REAM $\varnothing .221 +.001/- .000$ THRU
 2. C'BORE (OR END CUTTING REAM) $1/4 (\varnothing .250)$ X $.560$ DEEP
 3. C'DRILL $\varnothing .272 +.003/- .001$ X $.500$ DEEP
 4. BOTTOM TAP $5/16-24$ UNF-2B X $.440$ MIN DEPTH

1. MOUNTING TORQUE FOR 2300V PROBE: 30 LB-INCHES.
2. MOUNTING TORQUE FOR 6502 ADAPTOR: 50-60 LB-INCHES.



- PORT PREPARATION INSTRUCTIONS, 6502**
1. DRILL Q ($\varnothing .332$) THRU (OR $.450$ MIN DEPTH)
 2. TAP $3/8-24$ UNF-2B X $.350$ MIN DEPTH
 3. C'BORE $\varnothing .437 +.003/- .000$ X $.030$ DEEP



Presented By: **A-Tech Instruments Ltd.**
 Phone: 416 754 7008 Fax: 416 754 2351
 Email: sales@a-tech.ca (2008)

SCALE	2X	REV	-	DATE	-	ECN	-
DATE	8/12/96	PART NO.					
DRAWN	N.C.	CHECKED	D.Z.	MATERIAL			
APPROVED				NEXT ASSEMBLY		USED ON	
TITLE						DWG NO.	
OUTLINE/INSTALLATION DRAWING, MODEL 2300V						127-2300V	
SHEET 1 OF 1							

**SPECIFICATIONS, MODEL SERIES 2300V and 2301V
HIGH FREQUENCY PROBE TYPE PRESSURE SENSORS**

COMMON SPECIFICATIONS	VALUE	UNITS
RESONANT FREQUENCY, NOM.	500	kHz
ACCELERATION SENSITIVITY	.001	PSI/G
LINEARITY	+/- 1	%
TEMPERATURE RANGE [1]	-100 to +250	°F
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
OUTPUT IMPEDANCE, NOM	100	OHMS
BIAS VOLTAGE OF INTEGRAL AMPLIFIER, NOM.	+11	VOLTS
MAXIMUM SHOCK	10,000	G's
MAXIMUM VIBRATION	+/- 5000	G's
MAXIMUM PRESSURE (DIAPHRAGM BURST)	18,000	PSI
SUPPLY CURRENT RANGE	2 to 20	mA
COMPLIANCE (SUPPLY) VOLTAGE RANGE [2]	+18 to +30	VDC
MATERIAL, HOUSING/DIAPHRAGM	17-4ph /316L	ST. STEEL
MOUNTING 2300V SERIES	EXTERNAL 5-16/24 THREADS	
2301V SERIES	SEPARATE CLAMP NUT W/5/16-24 THREADS	
CONNECTOR	10-32	COAXIAL
ENVIRONMENTAL SEAL	WELDED, GLASS TO METAL	HERMETIC
WEIGHT	6	GRAMS

SPECIFICATIONS FOR SPECIFIC MODELS

MODEL	RANGE (PSI)	SENSITIVITY (mV/PSI)	MAX. PRESS (PSI) [3]	ELECT NOISE (Psi)	DISCHARGE TIME CONSTANT (SECONDS)	-3db LOW FREQ. (Hz)
2300V1 & 2301V1	250	20	5000	0.004	2.0	0.08
2300V3 & 2301V3	500	10	10,000	0.007	5.0	0.03
2300V4 & 2301V4	1000	5	10,000	0.014	10.0	0.02
2300V5 & 2301V5	5000	1	15,000	0.07	50.0	0.003
2300V6 & 2301V6	10,000	0.05	15,000	0.14	100.0	0.0016
2300V7 & 2301V7	15,000	0.033	18,000	0.02	5.0	0.03

NOTES:

- [1] Maximum flash temperature +3000°F, short duration
- [2] From current limiting power unit only. **Do not** power up without current limiting power unit.
- [3] Refers to maximum pressure before possibility of damage to internal electronics.