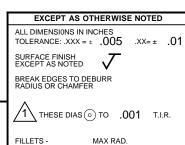


- 4. MOUNTING TORQUE ON 3/8 HEX: 30 TO 40 LB-INCHES.
- 3. MATERIAL, BODY & DIAPHRAGM: 17-4PH STAINLESS STEEL HARDENED TO Rc 44-45.
- 2. WEIGHT OF 2011V: 13 GRAMS.

ALL PART NUMBER LETTERSUFFIXES ARE TOBE INTERPRETED ASFOLLOWS: I.E. - 107-0000-01 X

M - MACHINED ONLY (UNPLATED) P - PLATED/PAINTED H - HEAT TREATED

G - MATERIAL HAS BEEN GRAINED S - MATERIAL HAS BEEN SAWCUT E - ENVIRONMENTAL TEST



INSTRUMENTS, II		CHATSWORTH, CA.
SCALE 1X	REV A DATE 2-21-00 ECN	-
3/21/96	PART NO. MOD 2011V	'
N.C. CHECKED R.A.	MAT'L	
APPROVED	NEXT ASSEMBLY	USED ON 2011V
OUTLINE/INSTALLATION DRAWING, MODEL 2011V ENGINE PRESSURE SENSOR		
		SHEET 1 OF 1

SPECIFICATIONS MODEL 2011V DYNAMIC PRESSURE SENSOR

SPECIFICATION	VALUE		<u>UNITS</u>
PHYSICAL			
WEIGHT SIZE (HEX X HEIGHT) MOUNTING PROVISION CONNECTOR, AXIALLY MOUNTED AT TOP	13.0 .375 X 1.88 3/8-24 UNF-2A MA 10-32 UNF-2A	LE THREAD	GRAMS INCHES
BODY/CONNECTOR MATERIAL DIAPHRAGM MATERIAL	STAINLESS STEE		17-4 PH 17-5 PH
PERFORMANCE			
SENSITIVITY, NOM. RANGE F.S. FOR +5 VOLTS OUT MAXIMUM PRESSURE MOUNTED RESONANT FREQUENCY, NOM. MINIMUM RISE TIME OF INPUT PRESSURE PULSE EQUIVALENT ELECTRICAL NOISE FLOOR (RESOLUTION) NON-LINEARITY (ZERO BASED BEST FIT ST.LINE METHOD) [1] ACCELERATION SENSITIVITY, AXIAL DIRECTION DISCHARGE TIME CONSTANT LOWER -3db FREQUENCY	5 1000 2000 130 2 .009 ±1 .02 4.0		mV/Psi Psi Psi kHz µSEC Psi %F.S. Psi/G SEC Hz
ENVIRONMENTAL			
MAXIMUM VIBRATION MAXIMUM SHOCK TEMPERATURE RANGE MAXIMUM FLASH TEMPERATURE AT DIAPHRAGM THERMAL COEFFICIENT OF SENSITIVITY ENVIRONMENTAL SEAL	1000 3,000 -100 TO +250 +3000 0.03 HERMETIC	G,' s PE	°F °F %/°F
ELECTRICAL			
EXCITATION (COMPLIANCE) VOLTAGE RANGE EXCITATION CURRENT RANGE [2] OUTPUT IMPEDANCE, NOM. OUTPUT BIAS VOLTAGE, NOM OUTPUT SIGNAL POLARITY FOR INCREASING PRESSURE	+18 TO +30 2 TO 20 100 +10 POSITIVE GOING		VDC mA Ohms VDC

SUPPLIED ACCESSORIES

MODEL 6606 SEAL, BRASS, 2 SUPPLIED, BOTH MODELS

NOTES:

 ^[1] PERCENT FULL SCALE, ZERO BASED BEST FIT STRAIGHT LINE METHOD.
 [2] 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.