

SPECIFICATIONS MODELS 2200V1 & 2201V1 DYNAMIC PRESSURE SENSORS

SPECIFICATION	VALUE	UNITS
PHYSICAL WEIGHT SIZE (HEX X HEIGHT) MODEL 2200V1 MODEL 2201V1	6.0 .438 X 1.31 .438 X 1.20	GRAMS INCHES
MOUNTING PROVISION [1] CONNECTOR, AXIALLY MOUNTED AT TOP BODY/CONNECTOR MATERIAL DIAPHRAGM MATERIAL	3/8-24 UNF-2A MALE THREAD 10-32 UNF-2A STAINLESS STEEL, HARDENED STAINLESS STEEL	17-4 PH 316L
SENSITIVITY, +20%/-10% 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) [2] ACCELERATION SENSITIVITY, AXIAL DIRECTION DISCHARGE TIME CONSTANT LOWER -3db FREQUENCY	50 +100 1000 300 2 .0014 ±1 .001 2.0	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	5000 10,000 -100 TO +250 +3000 0.01 HERMETIC	G's RMS G,'s PEAK °F °F %/°F WELDED/GLASS TO METAL
ELECTRICAL EXCITATION (COMPLIANCE) VOLTAGE RANGE EXCITATION CURRENT RANGE [3] 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 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

SIMILAH

[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.