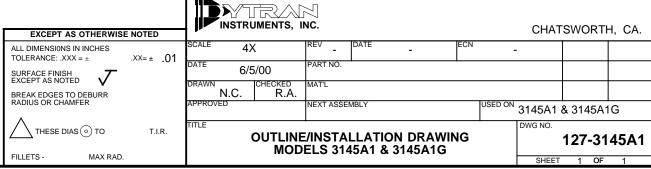


- 3145A1G-CYANOACRYLATE "INSTANT" BOND.
- 4. TO INSTALL MOD 3145A1, TORQUE IN PLACE WITH 10 OZ.-INCHES.
- 3. WEIGHT-MOD 3145A-2.3 GRAMS., MOD 3145AG-2.1 GRAMS
- 2. SEAL-HERMETIC, ALL WELDED.
- 1. MATERIAL: TITANIUM ALLOY.





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SPECIFICATIONS MODELS 3145A1 & 3145A1G ACCELEROMETERS

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT (Model 3145A1/3145A1G) SIZE, HEX x HEIGHT (Height does not include mtg. stud) MOUNTING PROVISION (Model 3145A1/3145A1G) CONNECTOR, TOP MOUNTED MATERIAL, HOUSING AND CONNECTOR ELEMENT STYLE	2.3/2.1 .281 (9/32) x .49 5-40 integral stud/adhes 5-44 300 Series Quartz planar shear	Grams Inches sive mount Coaxial Stainless Steel
PERFORMANCE		
SENSITIVITY, ± 10% [1] RANGE F.S. FOR ± 5 VOLTS OUTPUT FREQUENCY RANGE, ± 5% RESONANT FREQUENCY, NOM. EQUIVALENT ELECTRICAL NOISE FLOOR LINEARITY [2] TRANSVERSE SENSITIVITY, MAX. STRAIN SENSITIVITY	10.0 ± 500 0.5 to 10k 45 .035 ± 1% 5 .002	mV/G G's Hz kHz G's RMS % F.S. % G's/μσ @ 250 μσ
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK TEMPERATURE RANGE SEAL, HERMETIC COEFFICIENT OF THERMAL SENSITIVITY	600/3000 -60 to +300 Glass-to-metal and TIG .04	± G's/G's PEAK ^O F welded %/ ^O F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE [3] OUTPUT IMPEDANCE, TYP. BIAS VOLTAGE, +9 VOLTS NOM. DISCHARGE TIME CONSTANT, NOM. OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD CASE GROUNDING	2 to 20/+18 to +30 100 +8 to +13 0.5 TOP Case is grounded to ele	mA/Volts Ohms VDC Sec Positive ectrical power ground

- [1] Measured at 100 Hz, 1 G RMS per ISA RP 37.2.
- [2] Measured using zero-based best straight line method, % of F.S. or any lesser range.
- [3] Do not apply power to this device without current limiting, 20 mA MAX. To do so will destroy the integral IC amplifier.