

SPECIFICATIONS MODEL 3220E LIVM MINIATURE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT SIZE, DIA X HEIGHT (SEE DWG 127-3220E) MOUNTING PROVISION MOUNTING SCREW, INSULATED (SUPPLIED) CONNECTOR, RADIALLY MOUNTED MATERIAL, BASE, CAP & CONNECTOR ELEMENT TYPE	2.7 .41 X .25 THRU HOLE FOR #2 MOL 2-56 X .437 LONG 5-44 TITANIUM ALLOY QUARTZ, PLANAF	SS COAXIAL
PERFORMANCE		
SENSITIVITY, ± 10% [1] RANGE F.S. FOR ± 5 VOLTS OUTPUT FREQUENCY RESPONSE, ± 5%	10 ± 500 1 to 5,000 .66 to 10,000 >33 1 5 .03 0.007	mV/G G's Hz Hz kHz %FS % G's/μσ @ 250 μσ G's RMS
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK TEMPERATURE RANGE SEAL, HERMETIC [4] COEFFICIENT OF THERMAL SENSITIVITY	1500/2000 -60 to +250 Glass-to-metal and	± G's/G's PEAK OF I TIG welded %/ F
ELECTRICAL		
SUPPLY CURRENT/COMPLIANCE VOLTAGE RANGE OUTPUT IMPEDANCE, TYP. DISCHARGE TIME CONSTANT OUTPUT BIAS VOLTAGE OUTPUT SIGNAL POLARITY FOR ACCELERATION TO ELECTRICAL ISOLATION, CASE GROUND TO MOUNT	100 0.8 to 2.0 9 to 11.5 WARD TOP	mA/Volts Ohms Sec VDC Positive 10 Gigaohms, min.

ACCESSORIES PROVIDED: (1) MODEL 6165 MOUNTING SCREW ASSEMBLY. (INCLUDES MOUNTING SCREW AND 2 ANODIZED ALUMINUM WASHERS)

- [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.
- [4] Low outgassing, use with Dytran cable assembly model 6029AXX (XX=Length in feet).