



SPECIFICATIONS, MODEL 3023A4 TRIAXIAL ACCELEROMETER

SPECIFICATIONS	VALUE	UNITS
PHYSICAL WEIGHT SIZE (HEIGHT x WIDTH x DEPTH) MOUNTING CONNECTOR MATERIAL, HOUSING/CONNECTOR	4 0.49 x .36 x .36 5-40 TAPPED HOLE IN BASE 4-PIN [1] TITANIUM ALLOY	GRAMS INCHES
PERFORMANCE		
SENSITIVITY, -10 +15% [2] RANGE, F.S. (each axis) FREQUENCY RESPONSE, -5 / +15% ELEMENT NATURAL FREQUENCY, NOM. EQUIVALENT ELECTRICAL NOISE LINEARITY [3] TRANSVERSE SENSITIVITY, MAX, SIGNAL POLARITY	5.0 +/- 1000 1.5 to 10000 40 .0095 1 5 POSITIVE FOR MOTION IN DIRECTION OF AR	mV/g g Hz kHz g rms %F.S. % ROWS ON HOUSING
ENVIRONMENTAL		
MAXIMUM VIBRATION MAXIMUM SHOCK TEMPERATURE RANGE ENVIRONMENTAL SEAL COEFFICIENT OF THERMAL SENSITIVITY	+/- 1000 5000 -60 to +250 HERMETIC .03	g pk g pk °F %/°F
ELECTRICAL		
SUPPLY CURRENT RANGE, (each axis) [4] COMPLIANCE (SUPPLY) VOLTAGE RANGE (each axis) OUTPUT IMPEDANCE, TYP. OUTPUT BIAS VOLTAGE, NOM. DISCHARGE TIME CONSTANT, NOM. GROUND ISOLATION	2-to 20 +18 to +30 100 +10 0.3 CASE GROUNDED	mA VDC OHMS VDC SEC

- [1] Connector mates with Dytran cable assy. Model 6811Axx. (xx = length in feet) [2] Reference sensitivity measured at 100 Hz, 1 g rms per ISA RP 37.2
- [3] Linearity is % of specified full scale (or any lesser full scale range), zero-based best fit straight line method.
- [4] Power only with Dytran LIVM power unit or other Dytran-compatible constant current type power unit. If power is applied without current limiting protection, the internal amplifier will be immediately destroyed.