

SPECIFICATIONS 3123AK SYSTEM	VALUE	UNITS
SYSTEM SENSITIVITY, (Meas at 100 Hz, 1 G, RMS) [2]	100 +/- 1%	mV/G
FREQUENCY RESPONSE, +/- 2%	10 to 5000	Hz
RANGE FULL SCALE FOR +/- 5 V OUT	+/- 50	G
RANGE, FORCE-POUNDS [3]	+/- 10	LBS.
SPECIFICATIONS ACCELEROMETER MODEL 3123A [1]	VALUE	UNITS
SENSITIVITY, NOM	100	mV/G
COEFFICIENT OF THERMAL SENSITIVITY	.06	%/°F
TEMPERATURE RANGE	-60 to +250	°F
TRANSVERSE SENSITIVITY, MAX	3	%
ELECTRICAL NOISE FLOOR, EQUIVALENT	.003	G
LINEARITY	+/- 1	% F.S.
OUTPUT IMPEDANCE, NOM.	100	OHMS
OUTPUT VOLTAGE BIAS, NOM.	+11	VDC
CONNECTOR, RADIAL	10-32	MINI-COAXIAL
SIZE H x DIAMETER	1.47 x 1.000	INCHES
WEIGHT	120	GRAMS
MATERIAL, HOUSING & CONNECTOR	300 SERIES STAINLESS STEEL	
ENVIRONMENTAL SEAL	EPOXY	
MOUNTING PROVISION, TOP AND BOTTOM	10-32 TAPPED HOLES X .200 DEEP	INCHES
SPECIFICATIONS AMPLIFIER/POWER UNIT MODEL 4119	VALUE	UNITS
ACCELEROMETER CONSTANT CURRENT	2 FIXED	mA
COMPLIANCE (ACCELEROMETER SUPPLY) VOLTAGE	+20	VDC
FILTER, LOW PASS	VCVS, MODIFIED BUTTERWORTH	2-POLE
TEMPERATURE RANGE	0 to +120	°F
WEIGHT	900	GRAMS
CONNECTORS, SENSOR/OUTPUT	10-32/BNC	
LINE POWER, 115/230 VAC [4]	2.4	VA

[1] The 3123AK system consists of (1) 3123A accelerometer, (1) 4119 power unit/amplifier, (1) 6010A05 sensor cable, (1) 6020A05 output cable, (1) 6200 10-32/10-32 mounting stud, (1) 6201 10-32/1/4-28 mounting stud, (1) carrying case.

[2] Calibrated with a Model 3010A transfer standard weighing 19 grams.

[3] Force pounds equals the product of the weight (in pounds) times the G level.

[4] 230 Volt version is model E3123AK.