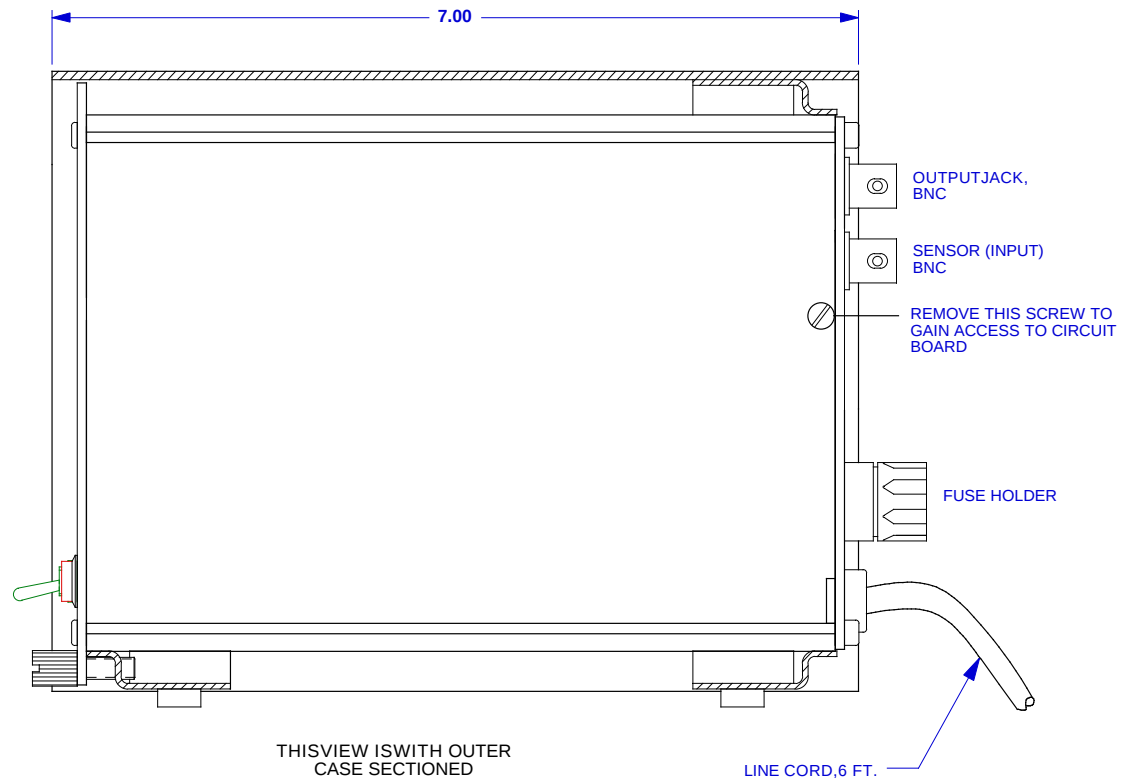
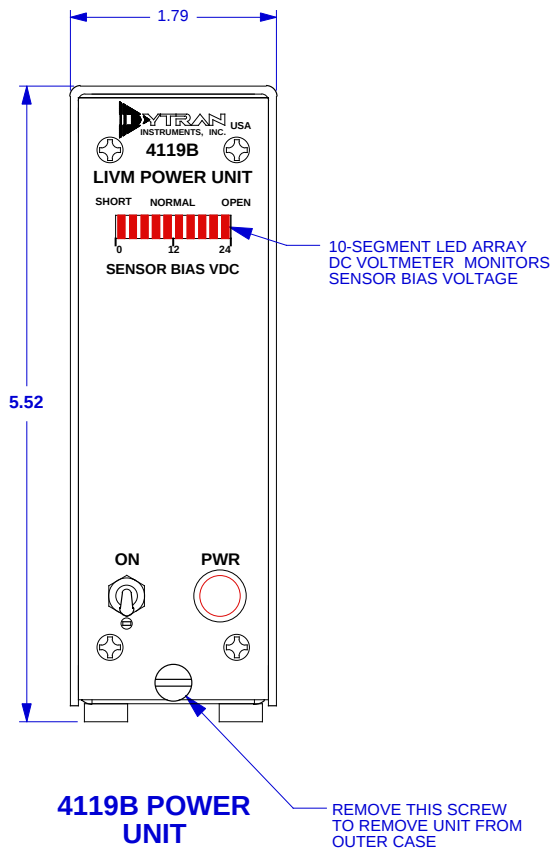


**3120B STANDARD
ACCELEROMETER**

DYTRAN INSTRUMENTS, INC.		CHATS WORTH, CA.	
SCALE 1X	REV -	DATE -	ECN -
DATE 1/28/00	PART NO. MODEL 3120BK		
DRAWN N.C.	CHECKED R.A.	MAT'L	
APPROVED	NEXT ASSEMBLY	USED ON	
TITLE OUTLINE/INSTALLATION DRAWING, SYSTEM MODEL 3120BK			DWG NO. 127-3120BK
SHEET 1 OF 1			

SPECIFICATIONS

MODELS 3120BK & E3120BK VIBRATION CALIBRATION SYSTEM

SYSTEM DEFINITION: THE **3120BK** SYSTEM CONSISTS OF: 3120B STD. ACCELEROMETER, 4119B POWER UNIT/AMPLIFIER, 6011A05 INPUT CABLE, 6020A05 OUTPUT CABLE, 6200 MOUNTING STUD (2), 6201 10-32/1/4-28 MTG. STUD, 6213 ADHESIVE MOUNTING BASE, 6309 CARRYING CASE. MODEL **E3120BK** IS IDENTICAL EXCEPT FOR THE 230 VAC OPERATING VOLTAGE.

SYSTEM SPECIFICATIONS	VALUE	UNITS
SYSTEM SENSITIVITY @ 100 Hz [1]	10.00 ±.05	mV/G
FREQUENCY RESPONSE, ±2% [1]	10 to 10,000	Hz
LINEARITY	± 1	% F.S.
RANGE F.S. FOR 5 VOLTS OUT	± 500	G
OPERATING FORCE RANGE [2]	± 40	Force-pounds
EQUIVALENT ELECTRICAL NOISE, (BROADBAND)	.02	G, RMS
OUTPUT IMPEDANCE	2	Ohms

ACCELEROMETER MODEL 3120B SPECIFICATIONS

SENSITIVITY, ±5%	10	mV/G
FREQUENCY RESPONSE, ±6%	0.4 TO 10k	Hz
DISCHARGE TIME CONSTANT	1.0	Sec
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/°F
TEMPERATURE RANGE	-60 to +200	°F
TRANSVERSE SENSITIVITY, MAX	3	%
ELECTRICAL CONNECTOR, RADIAL	10-32 COAXIAL	Jack
MOUNTING HOLES, TOP & BOTTOM	10-32	UNF-2B
MAXIMUM SHOCK	3000	G
MATERIAL (NON-MAGNETIC)	300 SERIES STAINLESS STEEL	
SUPPLY CURRENT (CONSTANT CURRENT)	2	mA
COMPLIANCE VOLTAGE	+20	VDC
WEIGHT	3/85	oz/grams

AMPLIFIER/POWER UNIT 4119B SPECIFICATIONS

SENSOR SUPPLY CURRENT/VOLTAGE, STD	2/+20	mA/VDC
FILTER, LOW PASS, ACTIVE	VCVS	12 db/octave
SENSOR/OUTPUT CONNECTOR	BNC/BNC	Coaxial jack
INPUT POWER, STD MODEL, 115 VAC	2.4	VA
INPUT POWER, 'E' MODEL, 230 VAC	2.4	VA
POWER CORD, STD	6 FT 3-WIRE W/CHASSIS GND	
WEIGHT	32/900	oz/grams
SIZE (H x W x D) [3]	5.5 x 1.6 x 8.0	Inches
(H x W x D) [3]	140 x 41 x 203	mm
TEMPERATURE RANGE	0 to +120	° F

[1] System calibrated at factory with **NIST** traceable transfer standard accelerometer weighing 19 grams. NIST traceability number supplied with each system calibration.

[2] Force pound range = product of weight of test accelerometer x G level.

[3] Mounts in available Model 4200 19-inch wide equipment rack. Up to 10 units fit in one rack.