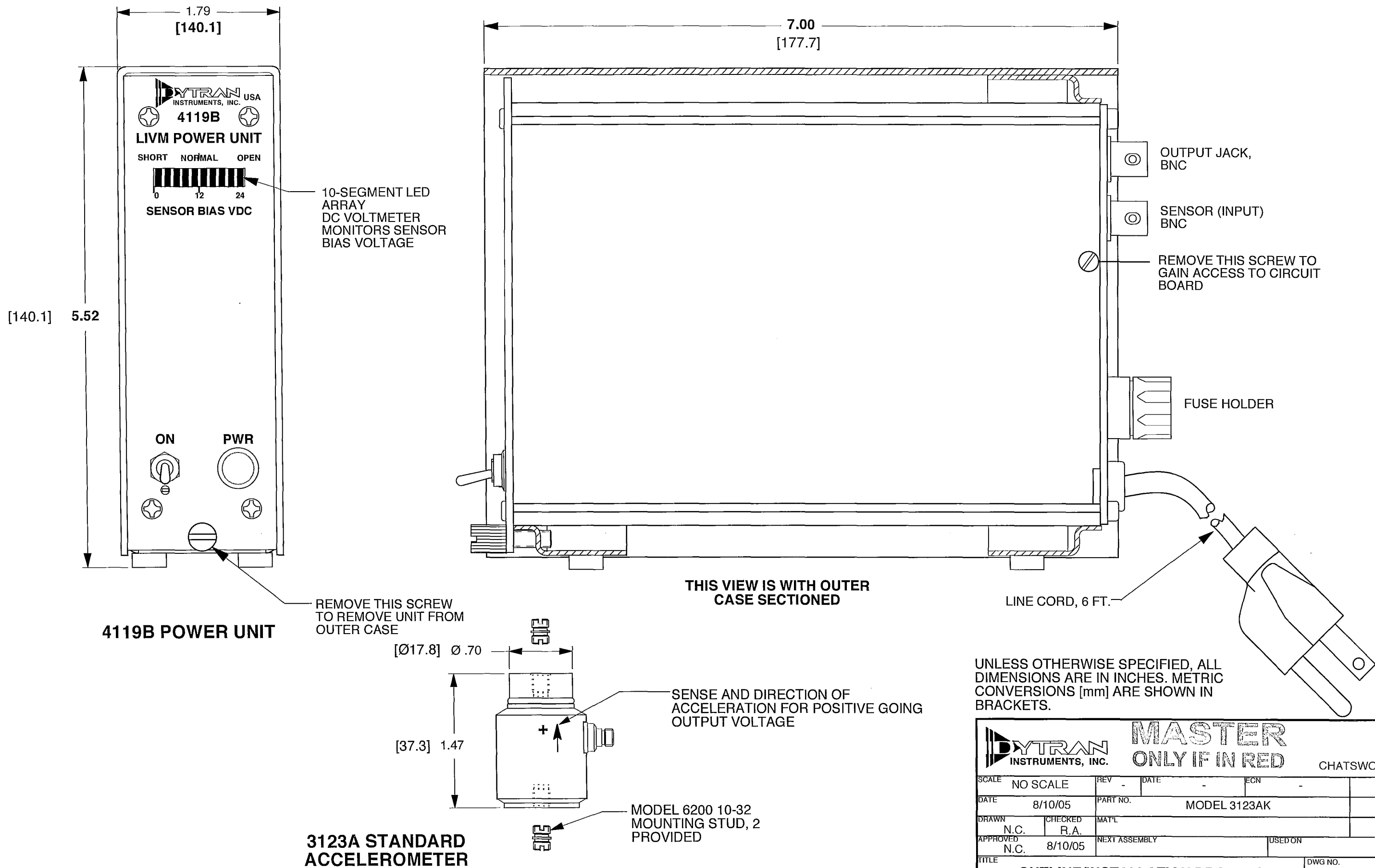
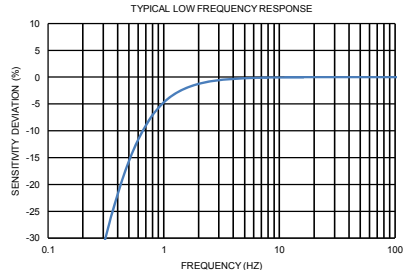
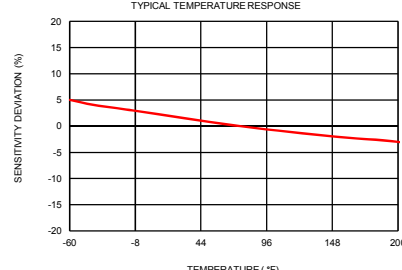
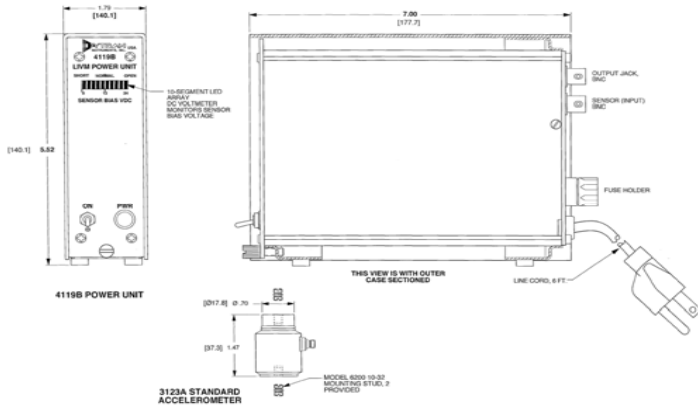


REV	ECN	DESCRIPTION	BY/DATE	CHK	APPR
A	10288	UPDATED VIEW OF CONNECTOR	RLA 8/20/13	EM	PT



DYTRAN INSTRUMENTS, INC.		MASTER ONLY IF IN RED		CHATSORTH, CA.	
SCALE	NO SCALE	REV	DATE	ECN	
DATE	8/10/05	PART NO.	MODEL 3123AK		
DRAWN	N.C.	CHECKED	R.A.	MAT'L	
APPROVED	N.C.	8/10/05	NEXT ASSEMBLY	USED ON	
TITLE					DWG NO.
OUTLINE/INSTALLATION DRAWING, SYSTEM MODEL 3123AK					127-3123AK
					SHEET 1 OF 1

Model Number 3123AK		PERFORMANCE SPECIFICATION				DOC NO PS3123AK			
		IEPE ACCELEROMETER BACK-TO-BACK CALIBRATION SYSTEM				REV A , ECN 14353, 07/19/18			
	• SYSTEM FOR BACK-TO-BACK CALIBRATION								
	• EXCELLENT LINEARITY								
	ENGLISH		SI						
	3.5		oz	100		grams			
	10-32 Coaxial			10-32 Coaxial					
	10-32			10-32					
	300 Series Stainless Steel			300 Series Stainless Steel					
	Planar Shear			Planar Shear					
	PHYSICAL (SENSOR)								
	Weight, Max (Accelerometer)								
Connector									
Mounting Provision Top and Bottom Tapped Holes									
Material (Non-magnetic) Housing and Connector									
Element Style									
PHYSICAL SPECIFICATIONS (AMPLIFIER/POWER UNIT)									
Weight, Max (Amplifier / Power Unit)									
Sensor/Output Connector									
Power cord, STD									
Size (H x W x D) [6]									
Temperature Range									
SYSTEM SPECIFICATIONS									
System Sensitivity, ± 5% @ 100 Hz [4]									
Frequency Response, ±2% [4]									
Linearity									
Range F.S. for 5V Out									
Operating Force Range [5]									
Equivalent Electrical Noise, (Broadband)									
Output Impedance									
Input Voltage, Power Unit/Sensor									
Filter, Low Pass, Active									
Sensor Supply Current/Voltage, STD									
ACCELEROMETER MODEL 3123A SPECIFICATIONS									
Sensitivity, ±5% [1]									
Discharge Time Constant									
Coefficient of Thermal Sensitivity									
Range F.S									
Frequency Response, ±2%									
Resonant Frequency									
Equivalent Electrical Noise Floor, Max									
Transverse Sensitivity, Max									
Strain Sensitivity @ 250µε									
Output Impedance (Sensor)									
ENVIRONMENTAL (SENSOR)									
Shock Max									
Vibration Max									
Temperature Range									
Seal									
ELECTRICAL (SENSOR)									
Supply Current Range [3]									
Compliance Voltage Range									
Bias Voltage									
This family also includes:									
Model		Sensitivity (mV/g)		Frequency Response (Hz)		Time Constant (Sec)		Operating Temp (°F)	
Refer to the performance specifications of the products in this family for detailed description.									
Supplied Accessories:									
1) Accredited calibration certificate (ISO 17025)									
2) Model 6200 Mounting Studs, qty 2									
3) Model 6201 Mounting Stud, qty 1									
4) Model 6213 Adhesive Mounting Base, qty 1									
Notes:									
[1] Measured at 100 Hz, 1 Grms per ISA RP 37.2									
[2] Measured using zero-based straight line method, % of F.S. or any lesser range.									
[3] Do not apply power to this system without current limiting, 20 mA MAX. To do so will destroy the IC charge amplifier.									
[4] System calibrated at factory with NIST traceable transfer standard accelerometer weighing 19 grams. NIST traceability number supplied with each system calibration.									
[5] Force pound range = product of weight of test accelerometer x G level.									
[6] Mounts in available Model 4200 19-inch wide equipment rack. Up to 10 units fit in one rack.									
									
									
									
Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-3123AK for more information.									



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