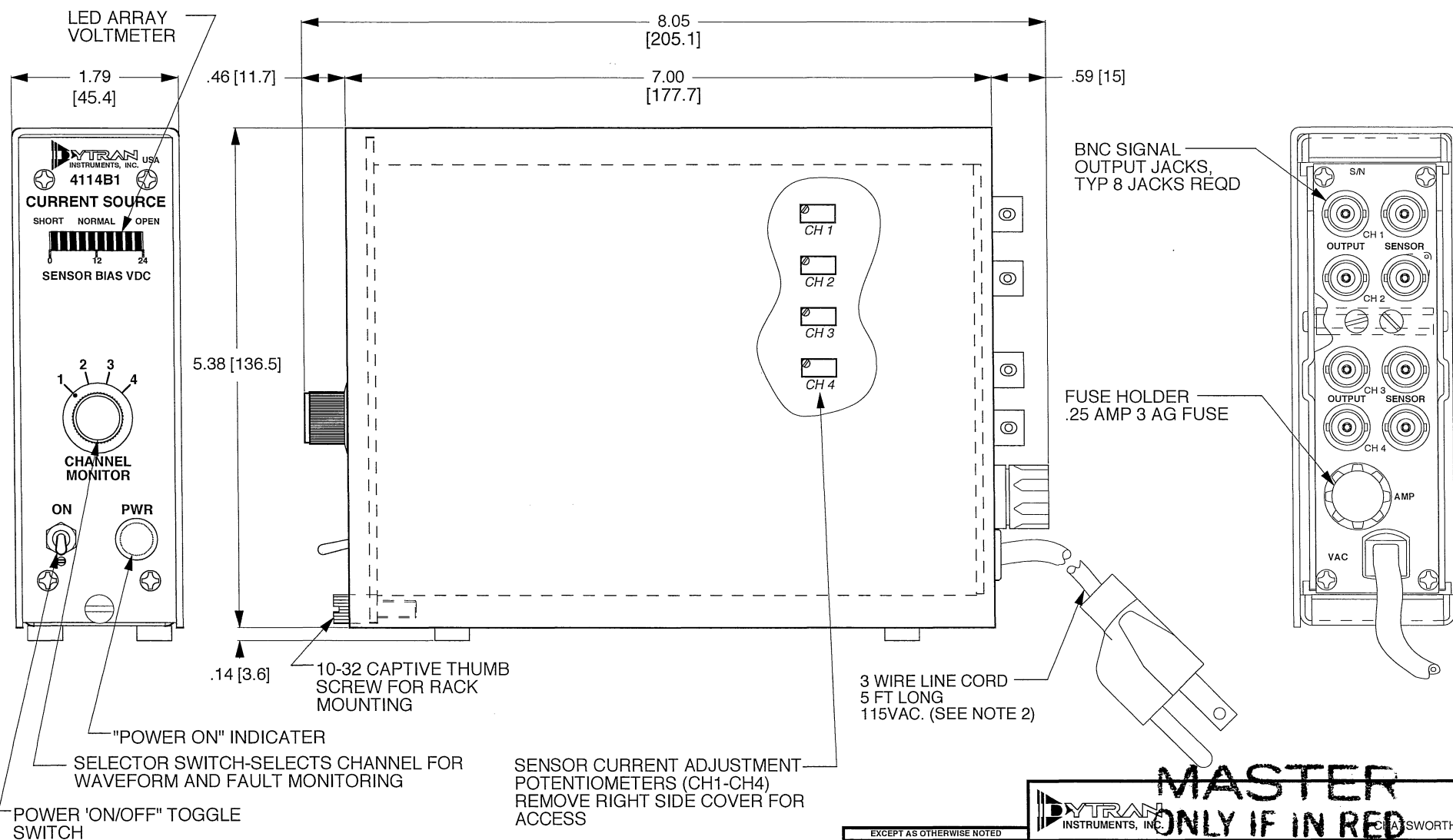




3. DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS.
2. MODEL E4114B1 REQUIRES 220 VAC POWER.
1. WEIGHT- 2.25 LBS

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES

TOLERANCE: .XXX = ± .XX = ±

SURFACE FINISH EXCEPT AS NOTED ✓

BREAK EDGES TO DEBURR RADIUS OR CHAMFER

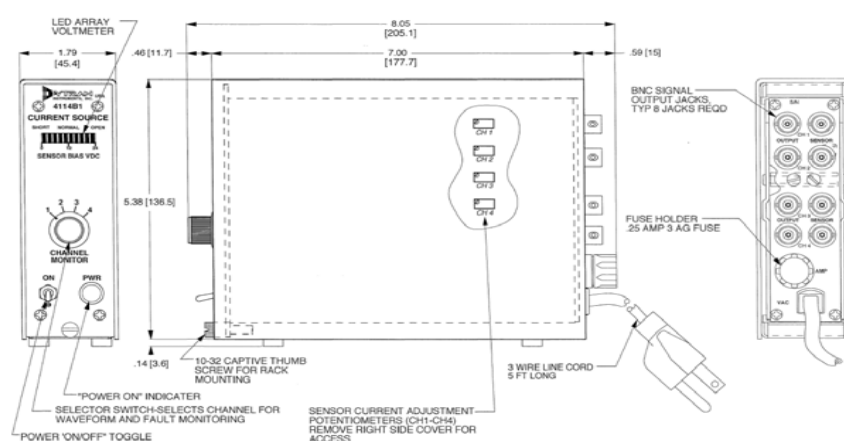
△ THESE DIAS TO T.I.R.

FILLET: MAX. RAD.

MASTER ONLY IF IN RED

PYTRAN INSTRUMENTS, INC. CHATSWORTH, CA.

SCALE	1X	REV	A	DATE	3-8-11	ECN	7405
DATE	1/5/2000	PART NO.	4114B1				
DRAWN	R.A.	CHECKED	N.C.	MATL	REV A		
APPROVED	NEXT ASSEMBLY		USED ON		4114B1		
TITLE							DWG NO.
OUTLINE INSTALLATION DRAWING, MODEL 4114B1							127-4114B1
SHEET							1 OF 1

Model Number 4114B1		PERFORMANCE SPECIFICATIONS				DOC NO PS4114B1																																			
		Current Source Power Unit				REV A, ECN 11988, 05/26/15																																			
		• POWERS IEPE SENSORS • SUPPLIES 2 TO 20mA OF CONSTANT CURRENT				This family also includes: <table><tr><th>Model</th><th>Sensitivity (mV/g)</th><th>Frequency Response (Hz)</th><th>Time Constant (Sec)</th><th>Operating Temp (°F)</th></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>		Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (°F)																													
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		Refer to the performance specifications of the products in this family for detailed description				Supplied Accessories: 1) Accredited calibration certificate (ISO 17025)																																			
PHYSICAL Weight, Max Size (Height x Width x Depth) Housing Material Sensor Connector Output Connector De-coupling Capacitor Pull-Down Resistor Power Cord, 3-Wire, with Ground		<table><tr><th colspan="2">ENGLISH</th><th colspan="2">SI</th></tr><tr><td>36</td><td>oz</td><td>1021</td><td>grams</td></tr><tr><td>5.4 x 1.8 x 7.0</td><td>in</td><td>137 x 46 x 178</td><td>mm</td></tr><tr><td>Aluminum Alloy</td><td></td><td>Aluminum Alloy</td><td></td></tr><tr><td>BNC Jack</td><td></td><td>BNC Jack</td><td></td></tr><tr><td>BNC Jack</td><td></td><td>BNC Jack</td><td></td></tr><tr><td>10</td><td>μF</td><td>10</td><td>μF</td></tr><tr><td>1</td><td>MΩ</td><td>1</td><td>MΩ</td></tr><tr><td>6</td><td>FT</td><td>1.8</td><td>m</td></tr></table>		ENGLISH		SI		36	oz	1021	grams	5.4 x 1.8 x 7.0	in	137 x 46 x 178	mm	Aluminum Alloy		Aluminum Alloy		BNC Jack		BNC Jack		BNC Jack		BNC Jack		10	μF	10	μF	1	MΩ	1	MΩ	6	FT	1.8	m	Notes: [1] Measured at 1000Hz, 1.00 Volt RMS output amplitude. [2] Determined by sensor, cable length, and sensor drive current. [3] 115 VAC, 50-60 Hz for standard models. Export "E" versions require 230 VAC, 50-60Hz. [4] Factory adjusted to 5 mA ±1mA.	
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PERFORMANCE Voltage Gain, ± 1% [1] Coupling Time Constant Lower -3db Frequency High Frequency Response Background Electrical Noise		<table><tr><td>No Load</td><td>1</td><td>Sec</td><td>1</td><td>Sec</td></tr><tr><td>with 1 MΩ Load</td><td>10</td><td>Sec</td><td>10</td><td>Sec</td></tr><tr><td>No Load</td><td>1</td><td>Sec</td><td>1</td><td>Sec</td></tr><tr><td>with 1 MΩ Load</td><td>0.016</td><td>Hz</td><td>0.016</td><td>Hz</td></tr><tr><td></td><td>0.03</td><td>Hz</td><td>0.03</td><td>Hz</td></tr><tr><td></td><td>[2]</td><td></td><td>[2]</td><td></td></tr><tr><td>Wideband</td><td>150</td><td>μV, RMS</td><td>150</td><td>μV, RMS</td></tr></table>		No Load	1	Sec	1	Sec	with 1 MΩ Load	10	Sec	10	Sec	No Load	1	Sec	1	Sec	with 1 MΩ Load	0.016	Hz	0.016	Hz		0.03	Hz	0.03	Hz		[2]		[2]		Wideband	150	μV, RMS	150	μV, RMS			
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ELECTRICAL Power Required Sensor Drive Current Adjustment Range [4] Compliance (Supply) Voltage (±1VDC)		<table><tr><td></td><td>[3]</td><td>VAC</td><td>[3]</td><td>VAC</td></tr><tr><td></td><td>2 to 20</td><td>mA</td><td>2 to 20</td><td>mA</td></tr><tr><td></td><td>+24</td><td>VDC</td><td>+24</td><td>VDC</td></tr></table>			[3]	VAC	[3]	VAC		2 to 20	mA	2 to 20	mA		+24	VDC	+24	VDC	Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4114B1 for more information.																						
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