

REDRAWN ON CAD 10-14-97

		MASTER ONLY IF IN RED CHATSWORTH, CA.	
SCALE	1/2	REV	DATE
DATE	3/8/85	PART NO.	4116
DRAWN	N.C.	CHECKED	MAT'L
APPROVED	<i>10-15-97</i>	NEXT ASSEMBLY	USED ON
TITLE			DWG NO.
OUTLINE/INSTALLATION DWG., 16-CHANNEL LIVM POWER UNIT, MODEL 4116			127-4116
			SHEET 1 OF 1



- POWERS UP TO 16 CHANNELS OF IEPE SENSORS
- SUPPLIES 2 TO 20mA OF CONSTANT CURRENT PER CHANNEL

PHYSICAL

Weight, Max
 Size (Height x Width x Depth)
 Number of Sensor Channels
 Front Panel Analog Meter F.S. DC Volts
 Front Panel Analog Meter F.S. DC mA
 Sensor Connectors, Qty. 16 Rear Panel
 Output Connectors, Qty. 16 Rear Panel
 Output Coupling Capacitor (Each Channel)
 Power Cord, 3-Wire, with Ground

ENGLISH		SI	
5.0	lb.	2268	grams
19.0 x 1.8 x 11.1	in	483 x 45.7 x 282	mm
16		16	
+24	VDC	+24	VDC
20	mA	20	mA
BNC Jack		BNC Jack	
BNC Jack		BNC Jack	
10	μF	10	μF
6	FT	1.8	m

PERFORMANCE

Voltage Gain
 Coupling Time Constant with 10 MΩ Load
 Coupling Time Constant with 1 MΩ Load
 Lower -3db Frequency with 10 MΩ Load
 Lower -3db Frequency with 1 MΩ Load
 High Frequency Response
 Background Electrical Noise Wideband
 Temperature Range

1		1	
9	Sec	9	Sec
5	Sec	5	Sec
0.017	Hz	0.017	Hz
0.032	Hz	0.032	Hz
[1]		[1]	
150	μV, RMS	150	μV, RMS
0 to +185	*F	-18 to +85	*C

ELECTRICAL

Power Required
 Line Voltage Required
 Alternate DC Power Input (Via Twin Input Terminals)
 Sensor Supply Current, Adjustable [2]
 Compliance (Supply) Voltage

13	VA	13	VA
[3]	VAC	[3]	VAC
+20 to +28	VDC	+20 to +28	VDC
2 to 20	mA	2 to 20	mA
+24	VDC	+24	VDC

This family also includes:

Model	Sensitivity (mV/g)	Frequency Response (Hz)	Time Constant (Sec)	Operating Temp (*F)

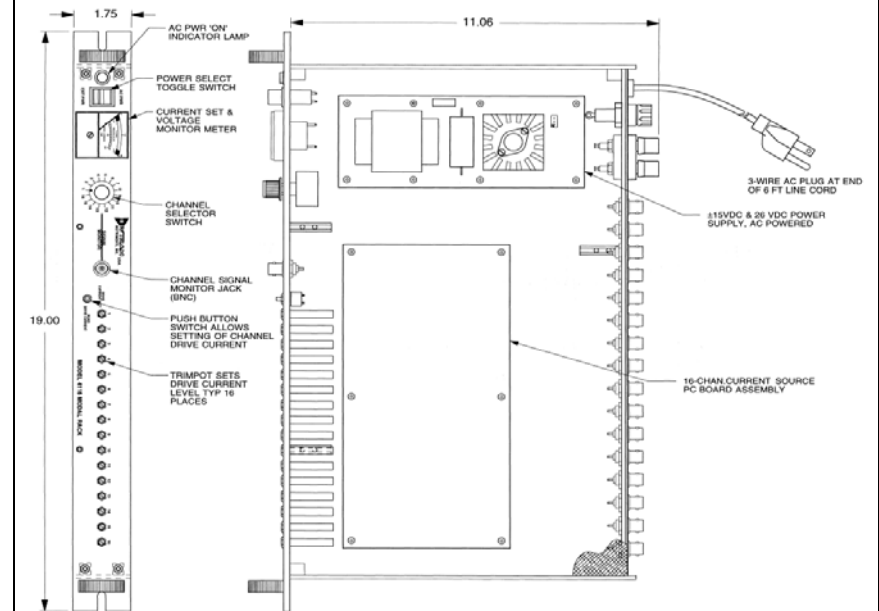
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] Determined by sensor and cable length.
- [2] Factory set at 5mA.
- [3] 115 VAC, 50-60 Hz for standard models. Export "E" versions require 230 VAC, 50-400Hz.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4116 for more information.

