

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

PHYSICAL

Weight, Max
Size (Height x Width x Depth)
Housing Material
Sensor Connector Rear Panel
Output Connector Rear Panel
De-coupling Capacitor
Pull-Down Resistor
Power Cord, 3-Wire, with Ground

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

PERFORMANCE

Voltage Gain, ± 1% [1]
Coupling Time Constant
No Load
with 1 MΩ Load
Lower -3db Frequency
No Load
with 1 MΩ Load
High Frequency Response
Background Electrical Noise
Wideband

1		1	
10	Sec	10	Sec
1	Sec	1	Sec
0.016	Hz	0.016	Hz
0.03	Hz	0.03	Hz
[2]		[2]	
150	μV, RMS	150	μV, RMS

ELECTRICAL

Power Required
Sensor Drive Current Adjustment Range [4]
Compliance (Supply) Voltage (±1VDC)

[3]	VAC	[3]	VAC
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)

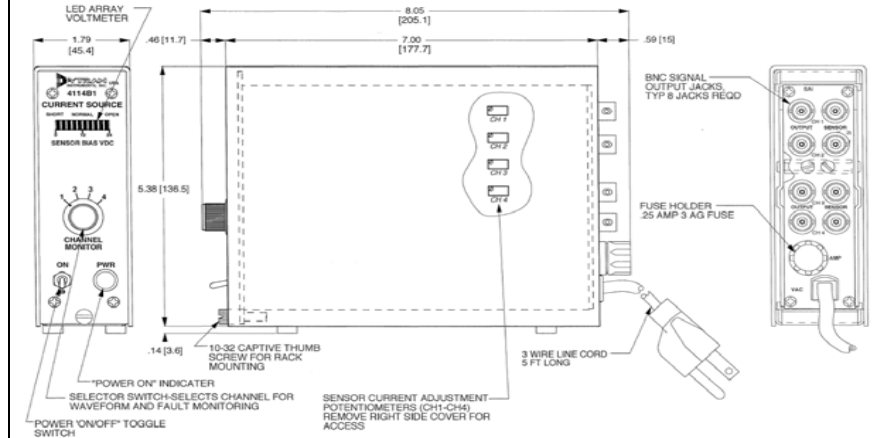
Refer to the performance specifications of the products in this family for detailed description

Supplied Accessories:

- 1) Accredited calibration certificate (ISO 17025)

Notes:

- [1] 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.



Units on the line drawing are in inches, units in brackets are in millimeters. Refer to 127-4114B1 for more information.

