

PS01A

Single-Channel IEPE Power Supply



Product Features

1 channel IEPE Power Supply for accelerometers and piezo velocity transducers

- ▶ Supplied with CB911-1A BNC T Adapter for BNC jack input and output
- ▶ Simple LED light indicates sensor condition
- ▶ Convenient display for bias voltage monitoring

Specifications	Standard	Metric
Electrical		
Input	9 V Battery	
Battery Life	14 Hours*	
Input Connector	BNC Jack	
Sensor Supply Current	2 mA	
Environmental		
Temperature Range (Operating)	14 to 130 °F	-10 to 54 °C
Temperature Range (Storage)	-4 to 140 °F	-20 to 60 °C

Specifications	Standard	Metric
Enclosure		
Dimensions	6.44 x 3.27 x 1.51 in.	164 x 83 x 39 mm
Weight (Battery Included)	7.8 oz	220 g
Enclosure Rating	IP40	
Voltage Indicators		
Green	3-17 V — Normal	
Red	<3 V — Short	
Yellow	>17 V — Open	

**Estimated battery life from an alkaline battery while a sensor is connected to the unit.*

Functionality

The PS01A provides a constant 2 mA current source to the connected accelerometer. Using a BNC 'T' adapter allows connection of external high-impedance monitoring equipment, such as an oscilloscope, to observe both the DC bias voltage and the AC signal output of the accelerometer. Any connected measurement device must be configured for high-impedance input to avoid loading the sensor.

