



## Technical Data Sheet

### **Differential Probe For Power Measurement- Model 4236**

The 4236 meets EN61010 Category III requirements and is capable of making measurements of floating signals in power electronic circuits with +1% accuracy.

#### **Features**

- High Accuracy +1%
- Best CMRR in Power Measurement Probes
- Smallest Size Safety Certified

#### **Applications**

- Precise Power Semiconductor Device Measurement
- Switching Power Supply Design
- Precise Measurement of Power Converter
- Precise Measurement of Motor Drive

#### **Included**

- Red & Black Sprung Hooks
- Calibration Certificate
- 9 VDC Adapter
- Black Storage Box



## Model 4236 Specifications

Bandwidth	DC to 50 MHz (-3dB)
Attenuation Ratio	1/100
Accuracy	+/-1%
Rise Time	<7ns
Input Impedance	4 Mohm/7pF each side to ground
Input Voltage* -Category -Differential Input Range -Common Mode Range -Absolute Max. Voltage (Differential or Common Mode)	CAT II +/-700V (DC + Peak AC) 600Vrms and +/-1400V (DC + Peak AC) 600Vrms and +/-1400V (DC + Peak AC)
Output Voltage -Swing (into 50 kOhm load) -Offset (typical) -Noise (typical)	+7V <+1mV 0.3mVrms
-Source Impedance (typical)	50 Ohm (for using 1 Mohm input system oscilloscope)
CMRR (typical)	-90dB @ 60 Hz, -55dB @ 1 Mhz
Ambient Operating Temperature	-10 to 40 degree centigrade
Ambient Storage Temperature	-30 to 70 degree centigrade
Ambient Operating Humidity	Up to 85% RH
Ambient Storage Humidity	Up to 85% RH
Length of BNC Cables	49"
Length of Input Leads	20"
Power Requirement Options**	Included- 9VDC adapter , Optional- Power leads or Removable battery pack (4xAA cells)
Weight	0.4 lb
Dimensions	(LxWxH) 4 1/2" x 1" x 1/2"

\*Voltage limit is the lesser of the DC+Peak AC and RMS values. \*\*

- The supplied voltage must be less than 16V and greater than 3.3V, otherwise the probe could be damaged or can't be operated properly.
- For wrong polarity of power sources, a built-in circuit will protect the probe and no danger or damage will occur.

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