

High Impedance Voltmeter

Model 220B



Electrostatic
Instrumentation



Measure High Voltage circuits the correct way!

Traditional handheld voltmeters are not capable of measuring high voltage, high impedance sources without substantially loading the circuit. The ETS Model 220B provides precision measurement up to $\pm 10\text{kV}$ with better than 1% accuracy and 1 Volt resolution.

This instrument is portable, compact, lightweight and battery or AC-operated, making it suitable for both laboratory and field use. This is one meter every engineer working with high voltage circuits should have available.

Applications

- Checking Power or Bias sources
- Radiation Sources
- Measuring voltage with circuits that are susceptible to loading
- Military, Commercial, University Research

Key Features

- DC Measurement up to $\pm 10\text{kV}$
- 1% Measurement accuracy
- 70 Giga-Ohm input impedance
- 2-line LCD Display
- Battery Powered/AC Adaptor
- High Voltage probe with 3' (92cm) cable
- Low battery indication
- Floating or differential measurement
- Minimal loading of high output impedance circuit measurements

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Questions? Here's how to contact our experts



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www.electrotechsystems.com



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Specifications

Electrical:

Voltage range: 0 - $\pm 10,000$ VDC

Accuracy: $\pm 1\%$

Resolution: 1 Volt

Input resistance: 70 Gig Ohms

Display: 2-line LCD, backlit when using AC power.

Mechanical:

Enclosure Construction: Aluminum

Dimensions: 7.5"W x 10"D x 3"H (190 x 245 x 70mm)

Weight: 2.0 lbs. (0.91kg)

Probe:

Cable length: 36" (92cm)

Connector: High Voltage silicone rubber cable attached to unit

Body: Red plastic, 6" (15cm) long

Ground: 36" (92cm) Banana plug to banana plug w/ alligator clip

Environmental:

Operating Temp: 32 -122°F (0-50°C)

Temp coefficient: ± 200 ppm/°C (max)

Humidity: 0-70% RH, non-condensing

Power:

Battery: 2 x 9V Alkaline. Display indicates low battery.

AC Adapter: 90-250VAC, 50/60Hz, output 18 VDC.

Warranty: One (1) Year – Parts & Labor

To ensure consistent and valid results, annual calibration is required

Contact: service@ets2.com for assistance.



Specifications subject to change without notice.

