

PowerScope Specifications

Measurement Ranges

- Voltage: 0 V_{rms} to 600 V_{rms} (AC or DC)
 - Ranges: 12.5V, 25V, 50V, 125V, 250V, 333V, 500V, and 1000V
 - Sampling rate: 5.12 kHz
- Current*: 0.5 A_{rms} to 3000 A_{rms} (AC)
 - Sampling rate: 5.12 kHz
- Frequency: 45 Hz to 415 Hz
- Impulse: 20 V_{pk} to 6400 V_{pk}
 - Sampling rate: 4 MHz
- Harmonics analysis: THD and spectral graph, current and voltage
 - At 50 Hz: To the 40th harmonic
 - At 60 Hz: To the 33rd harmonic
 - At 400 Hz: To the 5th harmonic

Measurement Accuracy

- RMS voltage: $\pm 0.2\%$ of range $\pm 1\%$ of reading or $\pm 0.5V$ whichever is greater, DC or 50/60/400 Hz.
- RMS current: $\pm 0.3\%$ of SmartProbe full scale; $\pm 1\%$ of reading at 50/60 Hz. $\pm 0.3\%$ of SmartProbe full scale; $\pm 2\%$ of reading at 400 Hz.

Operating Characteristics

- Power:
 - AC: 80-109 V_{ac}/95-130 V_{ac}/170-240 V_{ac}/185-260 V_{ac} at 50 Hz
80-109 V_{ac}/95-130 V_{ac}/170-240 V_{ac}/185-260 V_{ac} at 60 Hz
80-109 V_{ac}/100-135 V_{ac}/180-255 V_{ac}/195-277 V_{ac} at 400 Hz
150 VA max
 - DC: 11-16 V_{dc}
- Internal UPS:
 - Type: NiCad batteries, internally rechargeable.
 - Duration: Five minutes fully loaded; 15 minutes typical.
- Temperature and humidity ranges:
 - Operation: 41°F to 104°F (5°C to 40°C), 35% to 85% RH, noncondensing.
 - Storage: -4°F to 140°F (-20°C to 60°C), 5% to 90% RH, noncondensing.

Physical Characteristics:

- Dimensions: 6" high by 15" wide by 15.3" deep (15cm x 38cm x 39cm)
- Weight: 28 lbs. (13 kg)

Specifications are subject to change without notice.