

Specifications

Display

Digital (Full 4 digit)

Leakage Current

Ranges

2.0 - 299.9 μ A, 300 - 2999 μ A, AC+DC, DC only
(True RMS)

Accuracy

DC - 1 kHz $\pm 1\%$ of full scale ± 1 LSD; 1 kHz - 100
kHz $\pm 2.5\%$ of scale ± 1 LSD; 100 kHz - 1 MHz
 $\pm 5\%$ of scale ± 1 LSD

Input Impedance

AAMI ES1 1985

Frequency Response

DC - 1 MHz per AAMI

DC Only Response

maximum cutoff frequency (3db frequency) is 5 Hz
when pressed.

ECG Leakage/Isolation

Ranges

same as Leakage Current

Frequency Response

same as Leakage Current

Lead Isolation

Line Voltage through 121 K Ohms

Resistance

Measured using a two lead technique using an auto zero resistance compensation with a 100 mA or 10 mA DC current source

Ranges

0.002 - 2.999 Ohms, 3.0 - 299.0 Ohms

Accuracy

$\pm 1\%$ full scale ± 1 LSD

Measurement Leads

Measurement to be taken between one test lead and the appropriate receptacle ground pin, or between two test leads.

Outlet Check

Line Voltage measurement HOT-NEU, NEU GND, HOT-GND

Ranges

0.0 - 299.0 V

Accuracy

$+1\%$ full scale $+1$ LSD

Current Consumption

Ranges

Measured in Neutral Lead 0.2 - 19.99A

Accuracy

$\pm 5\%$ fullscale, true RMS 15 Amps max at 115V
Option: $\pm 5\%$ fullscale true RMS 20 Amps max at 115V; 10A max @230V, 10 Amps max at 240 V

ECG Simulation/Performance Testing

Accuracy

$\pm 2\%$ of reading for rate or $\pm 5\%$ of reading for amplitude, fixed at 2 mV Lead II.

Available Waveforms

Squarewave: 0.125, 2.0 Hz (50% duty cycle)
Sinewave: 8, 16, 32, 51, 102 Hz; Trianglewave: 2 Hz; ECG Complex: 30, 60, 120, 180, 240 BPM;
Pulse: 30, 60 BPM (63 ms pulse width), 6-7 uSec rise and fall time; Ventricular Fibrillation

Voltage

Ranges

10 - 299 mV, 0.30 - 2.99 V, 3.0 - 299.0 V, 300 - 500 V DC - 100 Hz

Accuracy

$\pm 1\%$ of scale ± 1 LSD, 100 Hz - 1.0 kHz $\pm 5\%$ of scale ± 1 LSD

Current Capacity

15 Amp @ 115 V Option: 20 Amp @ 115V, 10 Amp @ 230V

Size and Weight

11" X 9" X 4.2"; 10 lbs 27.94 x 22.86 x 10.66 cm;
4.54 kg

Electrical

95-128 V, 50-60 Hz or 200-240 V switch selectable

20 Amps @ 120 V / 10 Amps @ 240 V fused

501 PRO current consumption less than 1 Amp

Open-Neutral test to UL544 Requirements

Calibration traceable to National Bureau of Standards

Environmental

Operating Temperature 10°-40°C (50°-104°F)

Storage Temperature -25°-50°C (-13°- 122°F)

Humidity- 90% Non-Condensing