MultiPro 2000
Electrical Safety Analyzer

OVERVIEW

The MultiPro 2000 Electrical Safety Analyzer is a microprocessor based, full function electrical safety analyzer with a built in 12 lead ECG Simulator. This combination instrument is designed to test the electrical safety of all types of medical equipment by hospital and field service biomedical technicians.

In addition, the built-in ECG Simulator allows performance testing of all ECG equipment. The digital circuitry of the MultiPro 2000 eliminates all mechanical switching and delivers unmatched testing accuracy. Measurements results and menus are presented on the large LCD display.

This device tests wall outlet polarity and measures line voltage, instrument current, chassis resistance, chassis leakage current, and leads leakage current. It also performs lead isolation testing and point-to-point testing. Calibrated test points are available for verifying its performance.

The ECG Simulator displays a normal sinus rhythm waveform with 13 amplitude and 14 rate selections with Square, Sine, and Triangle waveforms for performance testing. The MultiPro 2000 is a lightweight, compact, versatile tool that easily performs electrical safety testing to the requirements of both in-house and field biomedical service technicians.

PRODUCT HIGHLIGHTS

- Micro Processor Controlled
- Compact, Lightweight, Rugged
- Accurate, and Reliable
- 12 Lead ECG and Performance Waveforms, Sine, Square, Triangle
- 20 Ampere Rating
- Quick and Easy to Operate
- Serial Interface for Palm or Printer

ORDERING INFORMATION

Part No:

560-110: MultiPro 2000 Safety Analyzer 110V

560-220: MultiPro 2000 Safety Analyzer 220V

Standard Accessories (Included):

560-HRD-CASE : Hard Carrying Case

552: AC Power Cord

553: Kelvin Cable

503: Test Lead

Display:

2 Line LCD Display

Line Voltage:

Range: 1 to 300 V,

Accuracy: ± 2% + 1 V

Leakage Current:

Range: 0 to 2500 µA auto ranging

Accuracy: DC to 100 KHz: ± 2% FS ± 1 Digit

Measurements:

Receptacle Polarity
Line Voltage
Chassis Resistance
Leakage Current
Leads Leakage
Isolation Current
Point to Point Testing

Resistance:

Range: 0 to 2500 mW, auto ranging

Accuracy: ± 2% FS ± 1 Digit

Device Current:

Range: 0 to 20 A

Accuracy: ± 2% FS ± 1 Digit

ECG Simulator:

12 Lead Normal Sinus Rhythm and Pulse Waveforms:

Amplitude: 13 selectable steps 0.1, 0.2, 0.3, 0.4, 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0 and 4.5 mV

Rate: 14 selectable steps, 30, 60, 70, 80, 90, 100, 120, 150, 180, 210, 240, 270, 300, and 350 BPM

Power Requirements:

110 VAC 50-60 Hz, 20 A

220 VAC 50-60 Hz, 10A

Environmental:

Operating Temperature: 59°F to 95°F (15°C to 35°C)

Storage Temperature: 32°F to 122°F (0°C to 50°C)

Physical Dimensions:

Size: 10.25 x 6.25 x 2.5 in (26 x 15.9 x 6.4 cm)

Weight: 4 lbs (1.8 kg)

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1-800-547-6557
sales@NetechBiomedical.com
110 Toledo Street, Farmingdale, NY 11735

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