



MULTI-PRO 2000, Electrical Safety Analyzer is a microprocessor based, full function electrical safety analyzer with a built-in 12 lead ECG Simulator.

The 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 makes this unit the Cadillac of electrical safety analyzers.

The digital circuitry of the compact **MULTI-PRO 2000**, Electrical Safety Analyzer eliminates all mechanical switching and delivers unmatched testing accuracy. The menu driven soft keys provide fast and easy operation. Measurements results and menus are presented on the large LCD display.

The instrument 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. Square, Sine, and Triangle waveforms for performance testing are available with 14 frequency and 13 amplitude selections.

Optional software is available to store measurements and to interface to a Palm Pilot or independent printer.

The **MULTI-PRO 2000**, Electrical Safety Analyzer is a light weight, compact, rugged, versatile tool that easily performs electrical safety testing to the requirements of both in-house and field biomedical service technicians.

Features:

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

Measurements:

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

[Quick print Function to Save Test Data And Print Results](#)

Electrical Safety Analyzer

MultiPro 2000

Specifications:

- „ **Line Voltage:** Range: 1 to 300 V,
Accuracy: $\pm 2\% + 1\text{ V}$
- ” **Leakage Current:** Range: 0 to 2500 μA auto ranging
Accuracy: DC to 100 KHz: $\pm 2\% \text{ FS} \pm 1\text{ Digit}$
100 KHz to 1 MHz: $\pm 4\% \text{ FS} \pm 1\text{ Digit}$
- ” **Resistance:** Range: 0 to 2500 mW, auto ranging
Accuracy: $\pm 2\% \text{ FS} \pm 1\text{ Digit}$
- ” **Device Current:** Range: 0 to 20 A
Accuracy: $\pm 2\% \text{ FS} \pm 1\text{ Digit}$
- ” **General**
 - 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
 - Performance Waveforms:
Square, Triangle, and Sine
 - Display: 2 Line 48 characters Display
 - Controls: ON/OFF Power Switch, Sixteen Tactile Feel Keys.
Ten Color Coded ECG Jacks, Two Input Jacks
RS 232 Serial Port connection
- Physical Dimensions: Size: 10.25 x 6.25 x 2.5 inches (26.00x 15.9 x 6.4 cm)
Weight: 4 lbs (1.8 kg)
- Power Requirements: 110 VAC 50-60 Hz, 20 A / 220 VAC 50-60 Hz, 10A
- Environmental Operating Temperature: 59° to 95° F (15° to 35° C)
Storage Temperature: 32° to 122° F (0° to 50° C)

Ordering Information:

Part Number	Description
550	MultiPro 2000 Safety Analyzer
551	Carrying case (Soft)
553	Kelvin Cable
503	External Test Cable