



OVERVIEW

MiniSim EEG 2000 is a versatile EEG waveform simulation instrument. It is designed exclusively for testing various EEG monitoring devices including recorders, Sleep Study Monitors, and multi-channel EEG monitoring systems.

This compact, microcontroller-based instrument simulates six different types of EEG waveforms, such as Alpha, Theta, Gamma, Delta, Beta and ABR.

In addition to the EEG waveforms, it simulates ECG waveforms as well as performance waveforms such as Sine, Square and Triangle.

MiniSim EEG 2000 provides 16 independent outputs.

MAIN FEATURES

Large LCD graphics display.

Simple to use, utilizing dedicated function keys and menu-driven interface.

Compact, lightweight and battery operated.

User selectable waveforms.

User-selectable amplitude from 10 V to mV.

Battery operated (7.4 Volt Li Ion rechargeable battery).

2 Year Warranty.

PRODUCT HIGHLIGHTS

- 6 different EEG Waveform Simulation.
- 16 channel independent outputs.
- 3 lead ECG normal sinus waveform simulation.
- Performance Waveforms: Sine, Square, Triangle.
- Ideal for performance testing of all EEG instrumentation.
- One of a kind.

ORDERING INFORMATION

Part No:

333: MiniSim EEG 2000 Waveform Simulator

Standard Accessories (Included):

960-USB: User Manual

660-HHS-002: Li-ion Battery Charger (7.4V)

950-CASE: Hard Carrying Case

Optional Accessories:

333-EEG-CABLE (16 Cup electrode cables)

333-ECG-CABLE (3 Lead ECG cable with Snap Button)

EEG Waveforms:

ABR-Alfa Beta Rhythm (1Khz-4Khz).
Alpha (3-13Hz, Theta (4-8Hz), Delta (1-4 Hz), Gamma (30-200 Hz), Beta (12-38Hz)

Amplitude:

User selectable amplitudes from 10 uV to 1mV (Peak to Peak)

Performance Waveforms:

Sine, Square, Triangle
Frequency: 1, 2, 3, 4, 5, 6, 7, 8, 10, 20, 40, 60Hz
Amplitude: 10, 20, 40, 50, 100, 200, 300, 400, 500, 1000 micro Volt.

Output Amplitude Calibration:

Waveform outputs are calibrated full scale to 1mV Square wave.
Amplitude accuracy: $\pm 5\%$ (Square Wave-All channels)

ECG Rate:

Rate: User selectable: 30, 60, 90, 120 BPM

Amplitude: User selectable 0.1, 0.25, 0.50, 0.75, 1.0, 1.5, 2.0, and 21 mV.

Temperature Range:

Operating: $+15^{\circ}\text{C}$ to $+35^{\circ}\text{C}$,
Storage: 0°C to $+50^{\circ}\text{C}$

Display:

Type: 28 x 64 graphics display with LED back lighting.

Power:

7.4 Volt Li-Ion Battery. 100-230 VAC input 8.5V Battery Charger.

Housing:

High impact ABS plastic enclosure

Dimensions:

D x W x H: 10.25 x 6.25 x 2.5 Inch 7.75 x 4 x 1.5 in. (19.7 x 10.2 x 3.8 cm)
Weight: 0.45 kg / 1 lbs. with Battery

