

# General Devices

## EIM-107-20A PREP-CHECK *PLUS*™



### ELECTRODE IMPEDANCE METER FOR POLYSOMNOGRAPHY AND EEG

The General Devices EIM-107-20A PREP-CHECK *PLUS*™ is a compact, handheld, electrode impedance meter developed specifically for sleep studies. It quickly and accurately tests lead wires, cables, electrodes and electrode preps at the bedside.

#### Benefits

Problems with cables, lead wires, electrodes and preps can ruin sleep studies. In addition to costing time and money, such problems seriously inconvenience the patient. Identifying and correcting these problems may be time consuming and difficult, especially when using monitors with readouts not located at the bedside or using machines which do not have impedance measurement capability. PREP-CHECK *PLUS*™ provides a fast, positive way to quickly identify and correct these problems and assure good test results.

#### Powerful, Versatile and Fast

PREP-CHECK *PLUS*™ is an advanced version of the original PREP-CHECK impedance meter, long the standard for ECG applications. Not only does PREP-CHECK *PLUS*™ quickly and automatically check ALL electrodes, it identifies the electrodes using *YOUR* names, skips unused electrodes, measures offset potentials, and has user-defined GOOD/POOR limits as well as many other useful features.

#### Accurate & Simple to Use

Measurement accuracy is *always* assured because PREP-CHECK *PLUS*™ recalibrates itself before every use! As powerful as it is, PREP-CHECK *PLUS*™ is simple to use. In addition to intuitive controls, the readout provides step-by-step “as-you-go” operating instructions. Connect the electrodes – push the start button – fix the problems and done! It even turns itself off when you are finished. It’s that easy!

#### Saves Time and Money

PREP-CHECK *PLUS*™ saves valuable time, improves the quality of sleep studies, minimizes disturbances to the patient and staff and pays for itself in improved equipment utilization and better patient satisfaction.



*“Making Ideas Happen in Medical Electronics”*

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Visit us at [www.prepcheck.com](http://www.prepcheck.com)

## **PERFECT FOR POLYSOMNOGRAPHY, EEG AND TEACHING.....**

### **PREP-CHECK PLUS™ Features**

- Impedance & offset voltage measurements
- Automatic & manual test modes
- Fast, convenient connection to electrodes or headbox
- Large, illuminated alpha-numeric readout
- Audible & visual indicators
- Color-coded good/poor lights
- Quick identification of electrode/lead wire problems
- Highly accurate readings
- Fast & easy to use with user-defined features including:
  - Customized lead naming
  - Unused lead skipping
  - Good/poor limits
  - Test current frequency
  - Lead fail response mode
- Inexpensive, long-lasting AA batteries
- Compact, rugged package

### **Technical Specifications**

Impedance Range: 100 to 199,999 ohms

Impedance Accuracy: +/- 3% of Reading, +/- 200 ohms

Offset Voltage Range: -50 to +50 mV

Offset Voltage Accuracy: +/- 5% of Reading, +/-0.5 mV

Test Current: 9 uA, 10 to 30 Hz, Sinusoidal, 0 D.C.

Display: 2-line Alpha-Numeric Illuminated LCD

Programming Means: Front Panel Keys or Windows-Based PC Controls

Connector Type: 20 Safety DIN pin jacks (0.060" shrouded pin)

Self-Test/Self-Calibration: Automatic

Battery Test: Continuous, with LCD Indication

Battery Type: 2 AA Alkaline Batteries

Size: 7.7" x 4.4" x 1.3"

Enclosure: Impact Resistant, Fire Retardant ABS Plastic

Number Electrodes Tested: 20

### **Warranty**

1 Year against all manufacturing defects

### **Ordering Information**

**PREP-CHECK PLUS™ with 20 safety DIN Connectors: .....EIM-107-20A**

**EZ-Set™ Programming Option: .....EIM-107-EZSET-A**

**Call Factory For Availability And Ordering Information For Other Connector Type**

**Specifications subject to change without notice.**

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