

General Devices

EIM-107 PREP-CHECK *PLUS*™



ELECTRODE IMPEDANCE METER FOR EEG AND POLYSOMNOGRAPHY

The General Devices EIM-107 PREP-CHECK *PLUS*™ is a compact, handheld meter for testing EEG and Polysomnography electrodes, preps, lead wires and cables.

Benefits

Problems with cables, lead wires, electrodes and site preparation cost time and money to identify and correct. **PREP-CHECK *PLUS*™** provides a fast, positive way to assure good test results *PRIOR* to EEG or polysomnograph connection, improving throughput and reducing disturbance to patients and nursing staffs in crowded critical care units. Even if your equipment already has impedance measurement capability, **PREP-CHECK *PLUS*™** will save time, money and smooth out the wrinkles in EEG studies.

Powerful, Versatile and Fast

PREP-CHECK *PLUS*™ is an advanced version of the original PREP-CHECK, long the impedance meter standard for ECGs. Not only does **PREP-CHECK *PLUS*™** quickly and automatically check *ALL* electrodes, it identifies the electrodes by *YOUR* names, skips unused electrodes, measures offset potentials, has user-defined GOOD/POOR limits and a variety of electrode problem-fixing strategies as well as many other important features.

Accurate & Simple to Use

Measurement accuracy is *always* assured since **PREP-CHECK *PLUS*™** recalibrates itself before each use! As powerful as it is, **PREP-CHECK *PLUS*™** is simple to use. In addition to intuitive controls, the alpha-numeric readout provides step-by-step “as-you-go” operating instructions. Plug in your headbox connector - 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, minimizes disturbances to the patient and nursing staff and pays for itself in improved equipment utilization.



“Making Ideas Happen in Medical Electronics”

1000 River Street, Ridgefield, New Jersey 07657 / 201-313-7075 / Fax 201-313-5671 / sales@general-devices.com

Visit us at www.prepcheck.com

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

PREP-CHECK PLUS™ Features

- Impedance & offset voltage measurements
- Automatic & manual test modes
- Fast, convenient connection to headbox
- Large, illuminated alpha-numeric readout
- Color-coded good/poor lights
- Audible and visual indicators
- Quick identification of electrode, lead wire & cable 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
- 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: Headbox Mating Connector

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: Up to 160

Warranty

1 Year against all manufacturing defects

Ordering Information

PREP-CHECK PLUS™ with 68-pin mini-"D" connector:EIM-107-68A

PREP-CHECK PLUS™ with 50-pin mini-"D" connector:EIM-107-50A

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

Call Factory For Availability & Ordering Information For Other Connector Types

Specifications subject to change without notice

1078007A