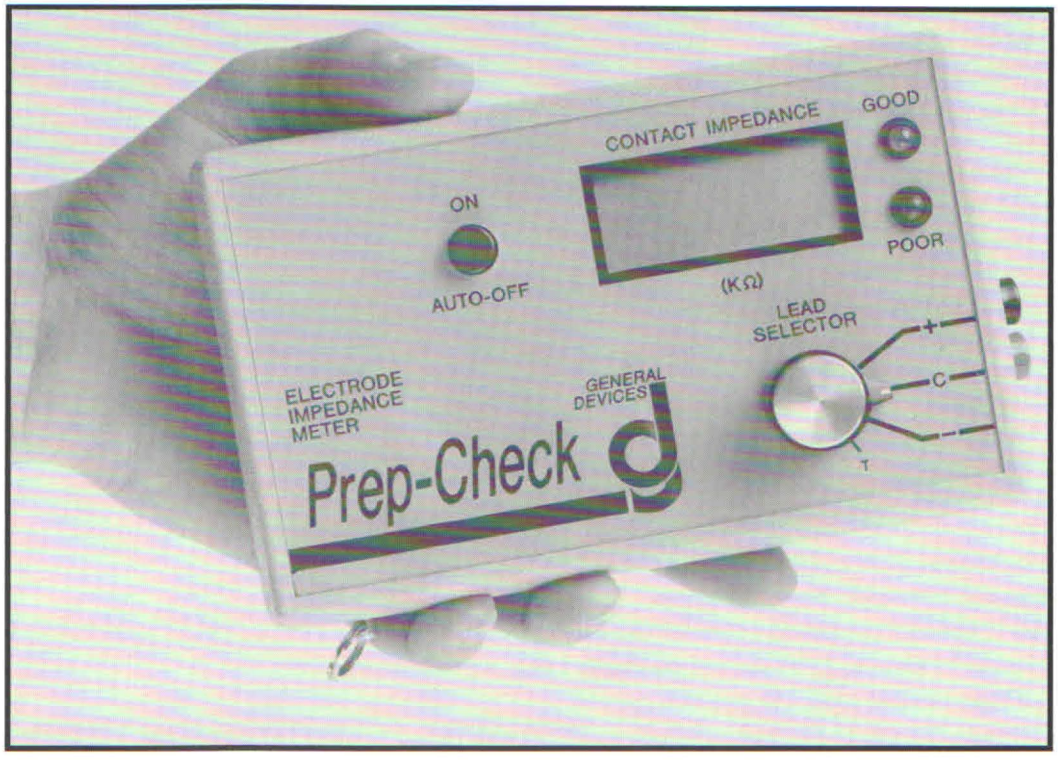
General Devices
PREP-CHECK
Electrode Impedance Meter



General Devices' Prep-Check Electrode Impedance Meter improves quality of biopotential monitoring by fast, simple, and accurate assessment of lead wires, electrodes, and electrode site preparation. Ideal for physicians, nurses, and technicians applying electrodes for ECG, Holter, Stress Testing, EEG, EMG, Evoked Response and other bio-potential measurements. Perfect as teaching aid and for sales demonstrations.

Benefits
Studies have demonstrated that baseline wander, 60 Hz interference, and movement artifact are related to high contact impedance and can be significantly reduced through proper electrode site preparation. The Prep-Check assures best possible traces, reduces electrode replacement, and improves patient studies. For Hospital ECG monitoring, reduces incidents of false heart rate alarms, improves patient assessment and more appropriate use of emergency medications.

Simple To Use
No training required — exclusive Good/Poor indicators. Electrode impedance displayed on large, easily read LCD readout. Automatic shut-off saves battery. Built in self-test feature checks for proper operation.

Accurate
Highly accurate measurement using AAMI recommended 10 or 30 Hz sine wave with no D.C. polarizing current.

Inexpensive
Saves time and money. Quickly pays for itself in reduced electrode replacement costs, trouble-shooting time, and lost patient studies.

GENERAL DEVICES

"Making Ideas Happen in Medical Electronics"

1000 River Street, Ridgefield, New Jersey 07657 / 201-313-7075 / FAX 201-313-5671

Additional Prep-Check Features:

- Reduces incidents of lost Holter studies
- Locates faulty electrodes and lead wires
- Provides quality control for standardized prep technique
- Improves patient comfort by reducing electrode replacements
- Color coded lead wire jacks
- Compact, easy to carry and use
- Makes monitor viewing easy
- Aids in electrode evaluations
- Measures full range of electrode impedances
- Uses AAMI recommended test frequency
- Uses standard, inexpensive 9 Volt battery
- Durable, impact resistant case

Technical Specifications:

Measurement Range: 100 to 199,000 ohms
Accuracy: ±3% of reading, ±200 ohms
Test Current: 10μA (RMS) ±10% Hz (Model EIM105)
Display: 3½ digit, ½" LCD readout good/poor LEDs at preset impedances
Self Test: Internal 100k, 1% precision resistor
Electrodes Tested: Three, (each electrode measured with respect to other two electrodes)
Connections: Three, .080" color code pin jacks
Battery: 9 volt alkaline battery
Battery Test: Continuous self testing. LO BAT indication on LCD display
Cabinet: Impact resistant ABS plastic
Size: 3.5" x 5.65" x 2.0"

Warranty

90 days against all manufacturing defects

Ordering Information:

Model EIM105 (10 Hz) —
Model EIM105 (30 Hz) —

Standard Good /Poor level: Good < 5,000 ohms, Poor > 15,000 ohms.
Specify value if non-standard impedances are desired.

Send check or purchase order to address below.

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