

Digital Holter Monitoring System I AMD-3950

The *Digital Holter Monitoring System I* is a compact digital recorder used to capture infrequent or activity-provoked ECG rhythm abnormalities. This portable device makes it easy to monitor a patient's ECG morphologies and obtain recordings in minutes, enabling remote physicians to highlight key areas for further analysis.



Product Features:

- Portable compact design makes it easy for patient to wear.
- Automatic pacemaker detection eliminates setting changes between patients.
- View a live preview display of the ECG for lead quality verification.
- 7-lead hookup for 2 or 3-channel recording.
- Automatic pacer detection.
- 24-48 hours of continuous recording time.
- Wireless transfer of patient's ECG in real time to verify electrode quality and placement.
- Preview the ECG on the recorder display for remote initialization.
- Includes easy-to-use Office or Expert Holter Software which allows remote healthcare provider to transfer recordings in minutes for immediate results and routine patient monitoring.

Technical Specifications:

Dimensions: Length 3.8" (l) x 2.2" (w) x 0.7" (h) / (96.5 mm x 56 mm x 18 mm)

Weight: * 7 oz (198 g) * with battery and patient cable

Power Source: One 1.5 V AA (LR6 alkaline battery)

Battery Life: 48 hours

Sampling Rate: 200 sps

Recording Period: Maximum 24-48 hours continuous

Storage Capacity: Up to 16 GB (removable SD media card)

Storage Period: Data remains valid for >5 years or until memory card is initialized

Pacemaker Detection: ANSI/AAMI EC38-1998

Effective A/D Resolution: 2.5 μ V

Dynamic Range: +/- 300 mV

Frequency Response: 0.05 to 100 Hz

Environmental Conditions:

Operating:

- Temperature: 32 °F to 113 °F (0 °C to 45 °C)
- Humidity: 10 to 95% noncondensing
- Altitude: 700 to 1060 millibars
- Shock: 3 in (75 mm) drop to hard surface on any axis
- Vibration: 0.0002 G²/Hz from 5 to 350 Hz, ramping to 0.0001 G²/Hz from 350 to 500 Hz, random vibration spectrum, 10 minutes in each of three orthogonal axes

Storing and Transport:

- Temperature: -10 °F to 149 °F (-23 °C to +65 °C)
- Humidity: 5 to 95% noncondensing
- Altitude: 700 to 1060 millibars
- Shock: 31.5 in (0.8 m) drop to hard surface on any axis



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