



IQmark™

Digital ECG

Opening Windows® to the World of Medicine

The IQmark Digital ECG will change the way you practice medicine.

The IQmark Digital ECG is a highly advanced and refined system that runs on your conventional Microsoft® Windows personal computer. Everything you need to get up and running in minutes is included. The acquisition and operating costs of the IQmark Digital ECG are dramatically lower than those of old-style, stand-alone ECG machines (even including the cost of the computer), and yet this powerful system packs the most sophisticated diagnostic tools available. Plus, it's backed by the service, support and confidence of the Midmark® name—the most trusted in the field of medical, surgical and dental examination and procedure equipment. There is no better way—or smarter time—to move your ECG work into the digital age.

Here's the fully integrated, cost-effective ECG solution you've been waiting for:

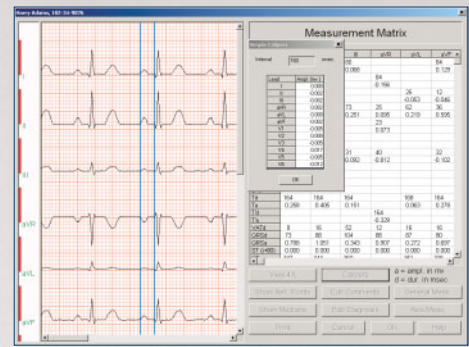
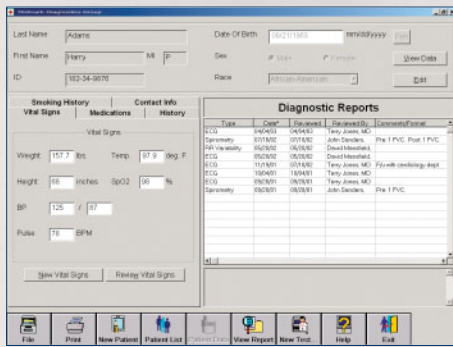
- *Quick, easy, intuitive*
- *Includes the Midmark 12-Lead Resting ECG Analysis Program— the gold standard for analysis*
- *Compatible with most Electronic Medical Record formats*
- *Runs on Windows-based PC*
- *Delivers immediate cost savings over conventional ECG machines*



Here's a quick look at the advantages you'll enjoy:

- *Monitor your patient's real-time ECG data*
- *Store and retrieve ECGs on your computer system with the click of a mouse*
- *55,000 ECGs require just 1GB of hard-drive storage space*
- *Eliminate manual collection and preparation of patient data*
- *E-mail an ECG to a colleague anywhere for consultation, or access it on the road, using a portable PC*
- *You'll save hundreds of dollars annually on ECG supplies and replacement components by eliminating specialized paper, mounts, stylus, printheads and motors*
- *Open-architecture software design means compatibility with most EMR systems*
- *Serial Comparison lets you compare up to 4 ECG tests at one time*





The future of ECG technology just arrived.

With a modular, open-architecture approach that ensures compatibility with most Electronic Medical Record systems, the IQmark Digital ECG offers profound advancements in efficiency, quality of care and ease of use. Winner of *Microsoft's Healthcare Users Group Award in 1997 and 1999*, *Frost & Sullivan's 2000 Market Engineering Product Innovation Award*, and *Best of Breed Toward an Electronic Patient Record in 2002 and 2003*, the IQmark Digital ECG is a practical, real-world advance for clinicians today, and one that will grow exponentially in value in the future.

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Product Specifications

The following are the physical and performance specifications for the IQmark Digital ECG.

Intended Use

To provide 12-lead resting electrocardiogram which permits the detection of abnormalities in the transmission of the cardiac impulse through the heart muscle and serves as an important aid in the diagnosis of heart ailments.

Physical Characteristics

- 2.8 in. (7.1 cm) x 5 in. (12.7 cm) x .88 in. (2.24 cm) (W x L x H)
- 11 oz. (ECG unit with batteries)
- Two 1.5V AA alkaline batteries (serial version)
USB version operates without batteries

Anatomical Sites

Non-invasive device, 12-lead electrocardiogram

ECG Analysis and Measurement

Midmark 12-Lead Resting ECG Analysis Program

Safety Parameters

- Patient electrically isolated from main current supply
- Patient leakage current not to exceed 10uA
- Ground leakage current not to exceed 50uA

ECG Acquisition

- 12 leads, simultaneous
- Input impedance: >100 megohms
- Frequency response: 0.05-150Hz -3dB
- Sensitivity: 5, 10, 20mm/mV + -10%
- Dynamic range: + -10mV
- ADC resolution: 13 bits at 2.44uV/bit
- Acceptable electrode offset:
+ -300mV per AAMI and EC-11 specifications
- A/D 500 samples/sec.

Patient Connection

10-lead patient cable with RFI filter, defibrillator protection and patient isolation

Monitor

Varies by computer system. For notebook systems, a minimum of 640 x 480 resolution.

Printer

Windows® -supported ink-jet or laser printer

Minimum System Requirements

1. Microsoft Windows-based PC with Windows 98 or Windows 2000/XP
2. Hard disk with a capacity of at least 200MB of free space
3. CD-ROM drive
4. Intel Pentium-class microprocessor or compatible
5. VGA display minimum 256 colors (16-bit color recommended)
6. 16MB RAM for Windows 98 or 64MB RAM for Windows 2000/XP
7. Microsoft-compatible mouse
8. Keyboard
9. One high-speed serial port (115KB per second) or a USB port

For more information or a demonstration, contact your Midmark dealer or Call: 1-800-MIDMARK Fax: 1-800-365-8631
Outside the U.S.A. Call: 1-937-526-3662 Fax: 1-937-526-4604
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Diagnostics Group