



ECG

IQmark™ Digital ECG



Measurement Matrix

Preview Live ECG



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.

Features

Intuitive user interface, quick to learn, easy to use

Preview and monitor real-time 12-lead ECG

Acquire and store 10 seconds of 12-lead ECG with auto-interpretation and measurements with one mouse click

Interpretation provided by Midmark® 12-lead Resting Electrocardiogram Analysis Program (formerly Telemed® Analysis Program)

Review and edit ECG on screen with zoom, electronic calipers and customizable quick edit statements

Serial comparison, with overlay, of up to 4 ECG tests

Store 55,000 ECG in 1GB of hard-drive space

Field proven seamless EMR integration. Partners with over 80 Electronic Medical Record (EMR) systems.

IQmark Diagnostic Workstation – built in patient record management software for non-EMR users.

Patient Connection

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

Safety Parameters

Patient leakage current not to exceed 10uA

Physical Characteristics

2.8 in. (7.1 cm) x 5 in. (12.7 cm) x .88 in. (2.24 cm)

11 oz. (ECG unit with batteries)

Serial Version - Two 1.5V AA alkaline batteries

USB version - Operates without batteries

ECG Acquisition

Input impedance: >100 megohms

Frequency response: 0.05-150Hz -3dB

Filters: AC; Drift; MYO

Sensitivity: 5, 10, 20mm/mV

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.

Minimum System Requirements

Microsoft Windows-based PC with Windows 2000 or XP

Intel Pentium-class microprocessor (500MHz or faster) or compatible

RAM 64MB for Windows 2000/XP

Hard disk with 200MB of free space or greater

CD-ROM Drive

VGA display 256 colors (16-bit color recommended) with resolution 800x600 (1024x768 recommended)

Microsoft-compatible mouse, keyboard and printer – color printer required for color grid printing

One serial port (115KB per second) or a USB port

The IQmark Digital ECG is an advanced medical device that runs on your Microsoft® Windows personal computer. The acquisition and operating costs of the IQmark Digital ECG are dramatically lower than stand-alone ECG machines (even including the cost of the computer) while remaining easy to use.

The IQmark Digital ECG offers improvements in efficiency and quality of care. It can be used independently with our IQmark Diagnostic Workstation software or with most of today's EMRs. With an EMR, our seamless integration solution allows you to perform an ECG test from within the EMR and instantly store the test result in the patient's electronic chart. This includes the interpretation, measurement matrix and the raw 10-second ECG as digital data, not an image. There is no better way to move your ECG workflow into the digital age.

The IQmark Digital ECG is backed by the service, support and the confidence of the Midmark® name—the most trusted in the field of medical, surgical and dental examination and procedure equipment. Winner of Microsoft's Healthcare Users Group Award in 1999, Frost & Sullivan's 2000 Market Engineering Product Innovation Award, and Towards Electronic Patient Records' Best of Breed Award in 2002 and 2003, the IQmark Digital ECG is a practical, real-world advancement for clinicians today, and one that will grow with your practice.

For additional information, please visit:
www.midmarkdiagnostics.com

Midmark Diagnostics Group is an ISO 13485 Certified Company.

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