

HEART MIRROR IKO-3

3-channel portable ECG device



CE 0120

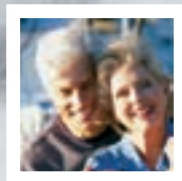
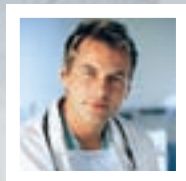
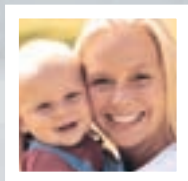
Extremely simple and comfortable operation

- ▶ Excellent recording quality, detailed ECG curves
- ▶ Graphic LCD
- ▶ 12 standard leads
- ▶ Automatic or manual recording mode
- ▶ Stores min. 10 patients full ECG records
- ▶ Built-in real-time clock
- ▶ Operates from mains and built-in rechargeable batteries

- ▶ Sound signal for heartbeat and paper-out warning
- ▶ Checks battery level
- ▶ Inexpensive operation

Expandability

- ▶ Optional analyses program for the device
- ▶ INNOBASE ECG database management program for archiving ECG curves and on-line 3-channel monitoring features on the PC



HeartMirror IKO-3

The HeartMirror IKO-3 is a high-quality, very reliable, easy to use standard ECG device.



The design of this middle size, desktop instrument makes it possible to record three ECG channels. The automatic mode makes it easy to print all 12 leads.

The lightweight, battery-operated construction allows the doctor to use the device in the field as well and can store the ECG curves in its memory for later data transfer to the PC.

The high-power, excellent long-life rechargeable battery guarantees long-term. You can make ECG recordings during charging, insured by the highest safety class, "CF".

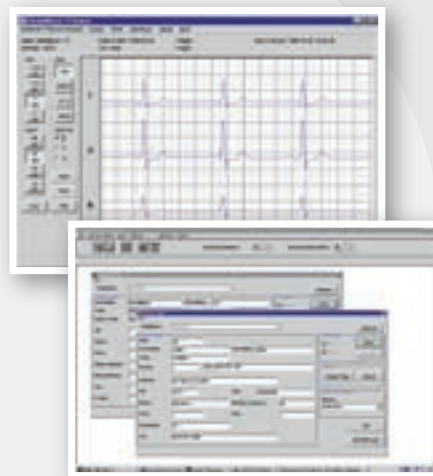


The high-technology printer unit in the HeartMirror IKO-3 does not require any maintenance, lasts practically forever, its printing quality and accuracy does not deteriorate with time.

The ECG amplifier complies with the highest quality standards, the parameters are on the clinical ECG device level.

Computer ECG mode

The serial interface in the HeartMirror IKO-3 provides safe computer connection. The INNOBASE for Windows program controls the system. In this mode, the device acts as a measuring head for the PC based data acquisition and archiving system. Any of the 3-channel ECG curve groups may be viewed on-line on the PC monitor and all the device functions may be controlled from the PC. All the recordings initiated from the PC are automatically stored on the computer. The storage capacity of the PC based workstation is nearly unlimited for an average configuration.



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TECHNICAL DATA

Size and weight

ECG device: 310x250x80 mm; 1.2 kg

Power

- › Built-in power supply
- › Mains: 110 V, 220 V - 230 V, 50/60 Hz
- › Nominal power consumption: 5 VA
- › 5 built-in rechargeable NiMH batteries 6 V / 1500 mAh
- › Charging time: 10 hours
- › Low battery indication

Battery capacity

Operating time min. 40 minutes with continuous recording

Leads

Standard 12 leads

Sensitivity

0.25 cm / mV, 0.5 cm / mV, 1 cm / mV, 2 cm / mV $\pm 3\%$

Printing

- › Speed: 5, 25 and 50 mm / sec $\pm 1\%$
- › Paper: 58 mm, +0 mm, -1 mm
- › Printing resolution: 8 / 16 points/mm
- › Printing modes: automatic and manual on-line
- › Printing stored ECG curves in off-line mode

ECG amplifier

- › ECG specifications according to IEC standards
- › 3-channel amplifier with 12-channel input selector
- › Frequency range: 0.05 Hz ... 150 Hz, -3 dB
- › CMRR: min. 100 dB
- › DC tolerance: ± 300 mV DC
- › Input impedance: typ. 50 Mohm
- › Input signal range: ± 5 mV

Filters

- › Digital baseline filter
- › Line and muscle noise filter

Patient

(stored ECG)

With exact time and date of recording and with automatic identification number

Controls and connections

- › Reliable, easy to clean foil keyboard with membrane keys
- › Isolated RS-232 compatible serial connector

Safety parameters

- › Patient leakage current: max. 10 μ A
- › Safety class "I", "CF" according to IEC 601-1
- › Defibrillator protection only with defibrillator protected cable

Environmental requirements

- › Operating temperature: 0 ... +45 °C
- › Delivery/Storage temperature: -20 ... +55 °C
- › Humidity: 20 ... 95% without condensation

Suggested accessories

- › 10-pole defibrillator protected cable
- › Set of electrodes for adults or children
- › INNOBASE database management program

Expandability

- › Analysis program
- › Connection to PC via RS232
- › INNOBASE database management program

We reserve the right to change the above mentioned information.