At a Glance – The Advantages of this Holter ECG System

Flexible in Use: The Digital Recorder
- 2, 3 or 12 ECG channels
- Additional simultaneous pacemaker information and trans-thoracic impedance
- Recording over a period of up to ten days
- Storage of signals on a flash card with a capacity of up to 2 GB
- 12 bit signal resolution and up to 1024 Hz sampling rate
- Automatic testing of battery voltage on start-up
- Open lead monitoring of electrodes
- Data protected even when battery is removed
- Bluetooth® wireless technology for bi-directional data transfer

Open Communication: The Interfaces
- Data import and export using the HL7 standard
- BDT-/GDT interface
- XML interface
- Results can be exported in TIFF, PDF, HTML or ASCII format
- Import of telemetry data
- Secure data transfer via the Internet and network connections

Ease of Use: The Analysis Tools
- Editable QRS and event classification, arranged in hierarchical order according to severity
- Automatic event scanning with configurable sorting criteria
- Heart Rate Variability (HRV) in the time and frequency domain
- Pacemaker analysis – analogue pacemaker detection on CM 3000 SM recorder
- Atrial Fibrillation analysis in the time and frequency domain
- PR, QT and ST analyses
- Sleep Apnea screening and activity level
- Late Potentials analysis
- T-Wave Alternans (TWA) and Heart Rate Turbulence (HRT)
- Configurable analysis parameters and final reports

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CardioDay®
Cardiology diagnostics

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>>> A Holter ECG to satisfy even the highest demands
CardioDay® – Our Modules for Every Indication

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<th>CardioDay® Easy</th>
<th>CardioDay® 12</th>
<th>CardioDay® Respiration</th>
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<td>When you need a quick and easy system for users that expect precise results in a short time and have small numbers of Holter patients. If patient volumes increase, it is no problem to upgrade to CardioDay®</td>
<td>When you need a comprehensive system for demanding situations. For example, this 12-channel module offers a two-channel rhythm analysis over any channels and a beat-to-beat display and measurement function for all twelve channels.</td>
<td>When you would like to analyze respiration signal for screening of sleep apnea disorders without additional sensors. Also patients with pacemakers, persistent ventricular events and A-Fib can be diagnosed.</td>
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CardioDay® – The Benchmark for Holter Systems

CardioDay® is a Holter system offering high-quality measurement, zoom and analysis functions. With this device, the user can quickly and easily compile, as well send and archive diagnostic reports. CardioDay® supports not only its own CardioMem® digital recorder, but also analogue recorders.

CardioDay® is network-capable and supports export of patient data and analysis results in standard formats. It is also possible to interface the system to an existing patient databases, e.g. CardioSoft™ or Centricity Carddas® from GE Healthcare.

Ready for Physician Office Use: The Modular Design

Whether you choose the basic, standard or sophisticated Holter system, the getemed system is flexible and expandable. Modules for special needs, such as Respiratory and Atrial Fibrillation analysis, Pacemaker analysis, 12-channel high resolution ECG and Late Potential analysis can be seamlessly integrated into CardioDay®. Recording and analysis could not be easier, and it delivers results you can rely on. Simple and reliable, for physicians and their patients, in hospitals or in doctors’ offices.

Ready for Clinical Studies: 12 Channels with High Resolution

The 12-channel ECG software module and the CM 3000-12 BT digital recorder can be used to expand CardioDay®, turning it into a fully-fledged 12-channel Holter system suitable for demanding routine use and clinical research. Test subjects do not have to be at a specific location, and can be examined under everyday conditions. This means that multi-center studies involving several locations can be performed extremely easily and efficiently.

Ready for Hospital Use: The Network Capabilities

CardioDay® boasts a server-client architecture which meets all the requirements of hospitals, large doctors’ offices and physician networks: data can be stored and managed on a central server, with individual stations accessing the data in encrypted form via the telephone, Internet or a LAN/WLAN connection. CardioDay® can also be linked easily to a hospital information system or existing patient database.

Ready for the Future: Innovative Extensions

With CardioDay® new non-invasive methods of risk stratification of patients with an increased risk of sudden cardiac death can be applied in daily routine workflow. Besides a comprehensive analysis of Heart Rate Variability, QT/QTc, and Late Potentials there are modules available for calculating T-Wave Alternans (TWA) and Heart Rate Turbulence (HRT).

CardioDay® and CardioMem® – A perfect team for every job

CardioMem® CM 3000 – Modern Digital Holter Recorder Series

The CardioMem® CM 3000 allows storage of your ECG waveforms reliably and accurately on a flash card, and is easy and convenient to use. It features a user-friendly menu structure with a graphic display for visual monitoring of the ECG and operation of the device.

The CardioMem® CM 3000 can record up to three ECG channels each with a sampling rate of up to 1024 Hz and a resolution of 12 bit, plus pacemaker information and Transthoracic impedance.

CardioMem® CM 3000 Z and CM 3000 ZSM

This practical digital recorder was designed keeping in mind primary care users. The two-channel ECG can be transmitted via the Internet, or over a phone line to an analysis center – or the flash card can be mailed for analysis.

CardioMem® CM 3000-12 BT

This recorder allows continuous storage of a 12-channel ECG over a period of up to 72 hours. Thanks to the integrated bidirectional interface with Bluetooth® wireless technology, patient demographics can be exchanged wirelessly between the recorder and a PC.

The Online Viewer – part of the CardioDay® analysis software – can be used to transmit wirelessly the encrypted patient data to the CardioMem® CM 3000-12 BT recorder and to check the quality of the ECG waveforms. At any time, the user can put a marker in specific points in time or quickly and easily print out the online ECG.

Close cooperation between our development, sales and research departments is your guarantee of user-friendly products that can be individually tailored to your specific requirements and upgraded to meet future demands.

Medical Engineering Solutions for Modern Health Care

getemed AG has been developing, producing and selling medical products for ECG and outpatient vital sign monitoring of risk patients for more than 20 years. Drawing on our years of experience in development and production, we are able to create innovative solutions that incorporate new standards into routine practice.