

GE Healthcare

# Cardiology Product overview

Our solutions for  
Hospital and General Practices





Resting ECG

Stress

Holter

Defibrillators

Cardiology Information System

# Resting ECG



# Connecting hearts and minds.

With our Resting ECG Solution, we offer a complete package of algorithms and features like gender-specific 12SL, ACI TIPI, 15-lead, P-wave Signal Averaging, along with the latest technology for mobile data transfer to MUSE (MobileLink).

MAC 400

MAC 600

MAC 800

MAC 1200

MAC 1600

MAC 3500

MAC 5500 HD

Resting ECG

## Resting ECG MAC 400

### Portable, easy to use, trusted ECG quality

The lightweight and portable MAC 400 can be easily operated and allows you to configure it to your patients needs for faster, more confident cardiac assessment and better patient care.

### Features

- One Touch Operation for acquisition, analysis and printing supports minimizing training needs
- Alphanumeric Display (2 line text) for easy visualization of ECG setup information
- Ultra Portable: ECG device (with battery) of 1300 Gms, for easy transport
- Long-lasting Li-Ion Battery, lasts for 100 ECGs (in auto mode) and recharges in less than 3 hours
- Multiple ECG Modes (Auto, Manual & Arrhythmia) to allow you to adapt to your specific patient needs
- In-built modem

### Optional

- Reliable Decision Support tools such as 12SL Measurement & Interpretation



# Resting ECG MAC 600

## Reaching more people with digital ECG

The 3-channel MAC 600 ECG system is a portable, easy to use and compact digital solution without compromise. The 12-lead ECG, measurements and interpretation are displayed on the screen. The MAC 600 is the "digital camera" of our ECG family.

### Features

- Reliable Decision Support with on-screen 12 SL measurement & interpretation tools
- Hook up advisor for optimal ECG signals
- Long-lasting Li-Ion Battery with 3 hours autonomy
- Ultra Portable and extremely light (1200 Gms with battery included), for easy transport
- Display: 4.3" color LCD, 12-lead
- In-built modem, 3-Channel & full report print-out

### Optional

- ECGs can be saved in PDF, XML format to the external memory (SD-Card)
- PDF naming is configurable according to doctor's requirements
- Serial port communication to MUSE & CardioSoft for ECG transfer



## Resting ECG MAC 800

### Connecting hearts and minds

MAC 800 is a light, portable ECG with integrated measurements suitable for adults and pediatrics. This 6-channel resting ECG system has the capability to work in both, resting and Arrhythmia mode.

### Features

- On-screen 12 SL measurement & interpretation tools
- Bar code and magnetic card reader for patient demographics
- Hook up advisor for optimal ECG signals
- SMS style keypad (alphanumeric) entry
- 6-Channel & full report print-out
- Display: 7" color LCD, 12-lead
- Built-in modem, 2 direct USB for external keyboard and A4 laser print
- Multiple QT correction formulas (Fridericia, Bazett and Framingham)
- R-R analysis to detect underlying HRV patterns and measure R-R intervals
- Long-lasting Li-Ion Battery with 3 hours autonomy

### Optional

- Internal (100 or 300 ECGs) & external memory on SD-card
- ECGs can be saved and exported in PDF, XML format
- LAN & Serial port communication to MUSE & CardioSoft for ECG transfer





# Resting ECG MAC 1200

## Time-tested ECG Performance

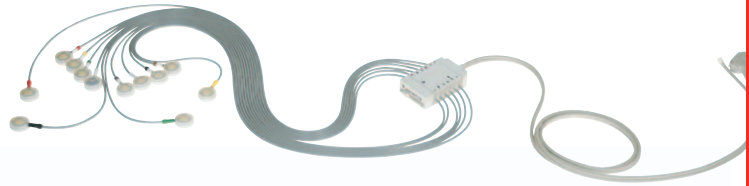
MAC 1200, a 12-channel ECG is an extended version of a resting ECG system, which offers stress capabilities to meet the needs of hospitals, clinics and physicians offices.

### Features

- Operating Modes (Automatic, Manual, Arrhythmia and stress test)
- One-touch operation for acquisition, analysis, storage and printing, which supports minimizing training
- 12SL Measurements and interpretation are available to meet specific customer needs
- 4 user-definable fields for patient data entry flexibility
- Waveform display allows rapid assessment of ECG rhythm and signal quality
- Full-size paper accommodates multiple standard report formats
- Serial port communication to MUSE & CardioSoft for ECG transfer

### Optional

- Storage of 40 ECGs
- KISS - electrode application system with integrated suction pump
- Stress test with a variety of different procedures, automatic control of diverse bicycle ergometers and treadmills, and advanced configuration possibilities of stage and final report.



## MAC 1600 Resting ECG with optional Stress function

**Simpler on the outside. Smarter on the inside.**

MAC 1600 is a scalable ECG device that evolves with the demanding needs of your practice; one that is simple to use, yet smart enough to provide you with diagnostic insight.

- Diagnostic confidence through the proven and outstanding Marquette\* 12SL\* ECG analysis program that assists physicians in making appropriate diagnoses and treatment decisions for their patients.
- Simplified workflow through connectivity with GE's MUSE\* or CardioSoft\* information systems. The MAC 1600's usability and configuration modes include resting ECG, rhythm and arrhythmia.
- Scalability through a system that adapts to your needs and allows you to add exercise testing, with options for communication and ECG analysis, at any time.

MAC 1600 comes with full size keyboard and writer and many communication options via LAN, modem, serial, SD card, or USB barcode reader for patient data entry. Its crisp and clear color display showing all 12 leads is highly configurable to adjust to your needs.

- Operating Modes (Resting ECG, Arrhythmia and stress test)
- Automatic capture of 10 sec ECGs with one-touch operation
- External display, output port in order to connect external displays



### **Optional**

- 12SL Measurements and interpretation including HookUp advisor are available to meet specific customer needs
- Internal memory for 100 ECGs
- Variety of communication interfaces, via LAN, modem and serial or SD card to external systems like MUSE or CardioSoft
- KISS – electrode application system with integrated suction pump
- Stress test with a variety of different procedures, automatic control of diverse bicycle ergometers and treadmills, and configuration possibilities of stage and final report

# MAC 3500 Resting ECG

## High-value performance ECG system

The MAC 3500 provides you with important fundamentals – a comprehensive suite of ECG analysis algorithms and applications – scaled to fit your needs, so there's no additional expense for features you don't require. With the MAC 3500, you get the strength of our Marquette ECG analysis programs. It's the same technology that's found throughout our family of premier ECG analysis systems, providing you with consistent measurement and interpretation.

These programs continue to be a preferred choice of hospitals, clinics, physician offices and clinical research organizations for their attention to quality and reliability:

- Marquette 12SL\* ECG simultaneous 12-lead ECG analysis program for adults and pediatrics – among the industry's most clinically validated programs.
- Marquette Hookup Advisor\* signal quality analysis program reviews and measures ECG waveforms for signs of artifact and interference, helping to avoid poor waveform quality during the recording of ECGs.
- Marquette 12SL with Gender-Specific Interpretation makes detecting acute myocardial infarction (MI) easier in women, even for occasional readers.
- 50 ECGs internal storage and SD card for external storage
- One-touch operation for acquisition, analysis, storage and printing, which helps reducing training
- Full size keyboard and writer.



### Optional

- Variety of communication interfaces, via LAN, WLAN, modem and serial or SD card to external systems like MUSE or CardioSoft.
- Barcode reader or magnetic card reader for patient data entry.
- Bidirectional communication with MUSE, to query patient demographics, per orders number, patient id or visit id, in order list or ADT database (requires HL7 with MUSE v8).
- KISS – suction electrode application system.

## MAC 5500 HD Advanced ECG Workstation

### Rest Assured

The MAC 5500 HD system offers the sophistication required for advanced ECG applications, while its ease of use extends this level of performance to the broadest range of users possible. And, it's part of the GE suite of networked, non-invasive testing solutions designed to help maximize efficiency and productivity in hospitals, clinics, office based practices and research institutes.

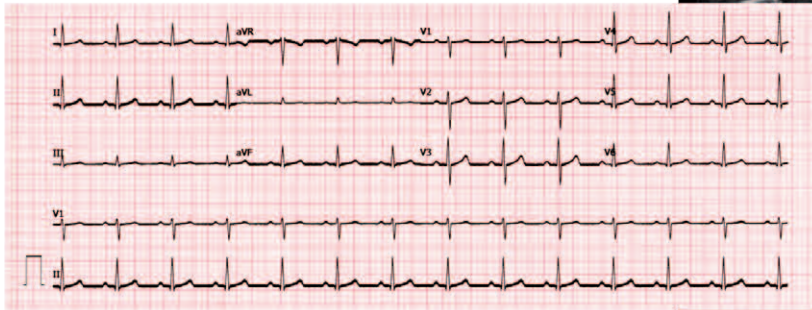
- 12-/15-Lead High-End ECG System for Resting-ECG's and Stress-Test
- Advanced algorithms for ECG analysis and interpretation:
  - Marquette 12SL\* ECG analysis program for adults and pediatrics
  - Marquette 12SL\* with Gender-Specific interpretation features criteria
  - Simultaneous 15-lead acquisition, storage, and assessment
  - Detect pacemaker pulses more accurately via higher sample rate, with further advanced interpretation of paced rhythms via the Marquette\* 12SL program.
  - Configurable Critical Values highlights critical ECG results; may help speed time to treatment.





- ACS (Acute Coronary Syndrome) analysis option assists the physician in the ECG assessment by identifying the localized lead groups where signs of ACS may be present.
- Marquette 12SL with ACI-TIPI
- P-Wave Signal Averaging option for atrial arrhythmia assessment
- Hi-Res Late Potential Analysis option to support ventricular arrhythmia assessment
- HD Pacemaker-Detection Software to help improving ability to accurately detect the presence of pacemaker spikes and add capability to detect and report the underlying rhythm.
- Vector cardiography
- Marquette Hookup Advisor\* signal quality analysis program
- CT Data Guard supporting clinical trial workflow
- Network access via optional LAN, WLAN, internal modem
- Barcode and magnetic card scanning options
- XML data export capabilities
- Internal Memory for 200 ECG's; removable SD-card for external storage
- Seamless Bidirectional communication with MUSE. Connectivity to the MUSE\* cardiology information system speeds data storage and ECG retrieval

# Stress





## Connecting hearts and minds.

CASE/CardioSoft systems deliver highly scalable multifunctional solutions for stress and resting ECGs as well as for ambulatory BP and spirometry. All systems can be networked and configured to meet your information management requirements.

CASE

CASE ES

CardioSoft

T-2100 Treadmill

eBike

EasyOne CS

SunTech Tango+

TONOPORT V

Stress

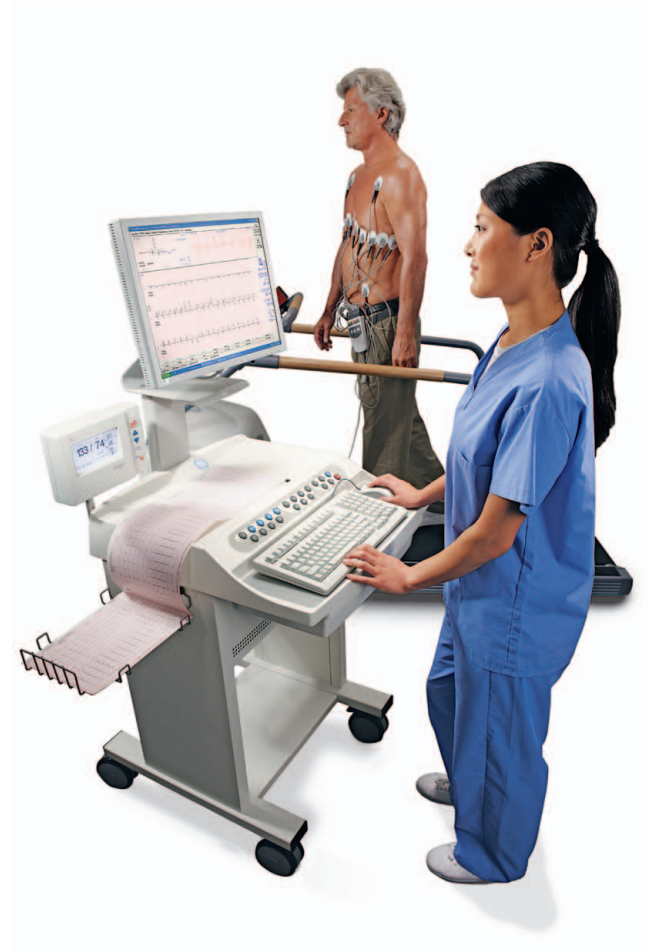


## CASE

The CASE\* system delivers highly scalable solutions to meet virtually any facility's unique performance and productivity requirements – now with new advanced features that give you even greater capabilities in assessing cardiac function during exercise

### Features

- Customizable SMART reports
- Full Disclosure & Reanalysis supported by raw data
- 2D Waterfall
- Unique filtering technology (FRF) provides waveform clarity
- 15 Lead to help identify Right Ventricular Involvement ischemia
- Store to MUSE Network Data access
- Illuminated work surface, back lit keypad for Stress Echo
- PDF, Word, Excel and XML Export File
- Marquette\*12SL\* ECG analysis program provides clinical decision support
- Networking Capabilities with Remote View
- Risk Assessment Package based upon Healthcare industry standards
- Marquette T-Wave Alternans to risk stratify patients for SCD
- SunTech Tango+ BP integration





## CASE ES

The ergospirometry system combines the high quality of the CASE\* Exercise ECG system with the Ganshorn PowerCube Ergo for metabolic stress testing on one platform. It offers the latest Technology for mindful and reliable cardiopulmonary function diagnosis. Measurement process, analysis, or display of measured values can be configured individually.

### Features

- 12/15- channel online storage
- Resting ECG measurement and interpretation (12SL)
- Online-ischemia and arrhythmia advice
- Unique filter technology (FRF)
- Report printing on color laser printer
- Lightweight, absolute humidity insensitive flow sensor
- 9-field graphics and automatic interpretation scheme Wassermann
- Fast, highly stable gas analyzers for real Breath-by-breath measurements
- High-quality spirometry program for the determination of VE, VT, AF,  $VO_2$ ,  $VCO_2$ , RER, heart rate,  $O_2$  PET, PET  $CO_2$ , and real-time display on the monitor



## CardioSoft

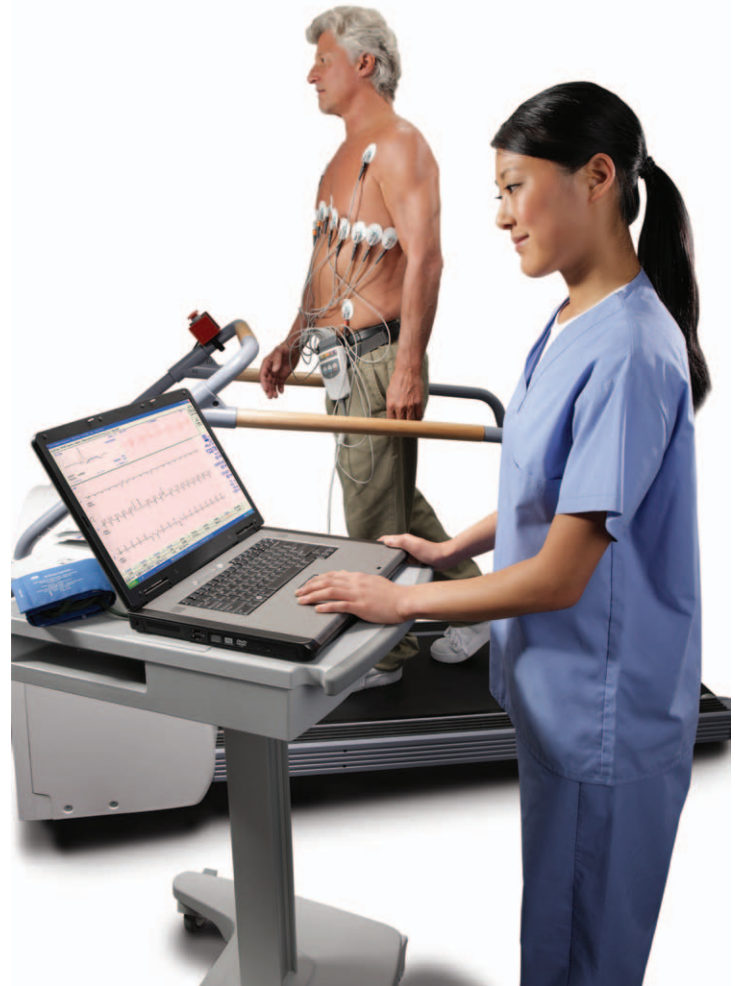
“A PC-based solution that can convert your computer into a diagnostic tool, performing multiple clinical tests.”

CardioSoft is a multifunctional and PC-based based system for 12/15-Channel resting-ECG, stress tests, Holter, Spirometry and Long-term blood pressure. Due to its well-accepted, easy operation in all modes, CardioSoft is ideal for the office and for clinical applications.

Integrated Database connectivity to the office computer and clinical information systems allows electronic data retrieval and a paperless environment.

### Features

- Resting ECG, Stress, Ambulatory Blood Pressure, Spirometry all from one application
- Customizable SMART reports
- Marquette\* 12SL\* ECG analysis program provides clinical decision support & 15 Lead ECG
- Full Disclosure & Reanalysis supported by raw data
- In Test Previous Test Data Display
- PDF, Word, Excel and XML Export File
- EasyOne Spirometry
- Tonoport 24 hour ABP with smart BP and multiple programming options



# T-2100 Treadmill

**Quiet Efficient yet powerful and durable Stress Test Treadmill**

## **Features**

- Long-Surface - Patient can walk on the treadmill without altering their walking style
- Zero Start - A powerful motor is able to increase speed slowly and smoothly
- Both adult and pediatric rails provide support for the user should they require it during use
- Smooth & Quiet - Reduced obtrusive noise
- Self-Calibration - The the treadmill settings never need to be calibrated
- 204 kg (450-pound) weight capacity and speed range of 0-21,7 km/h (0-13.5 miles per hour)



## eBike Ergometers

The connection between GE Healthcare stress-testing systems and eBike allows easy control of the entire examination

### eBike Basic

- Rounds per minute-independent bicycle ergometers
- For load ranges between 20 and 999 watts
- Ergonomic design offers a seating position for optimal performance for all body sizes
- Load accuracy according to DIN VDE 0750-238
- Continuously variable seat height adjustment
- Handlebars adjustment
- Automatic blood pressure measurement (can also be installed later as option)

### eBike Comfort (additional features)

- Electrical, non-graduated seat height adjustment
- Digital display of saddle height
- Dual handlebars adjustment (height and angle)



## eBike EL for Stress Echo Ergometer for load echo cardiography

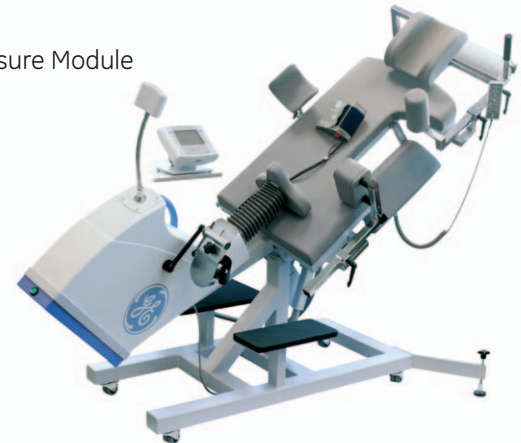
The eBike EL has a very ergonomic design that helps to provide high patient safety and comfort. The proven eBike intelligence, combined with a very easy to use operator interface, provides clinical focus on the patient during procedures.

### Features

- Programmable and predefined programs
- Electric, variable height adjustment with motor for body height 120-200 cm
- Motorised tilt range from a horizontal position to 45° and lateral from 0° to 45°
- Independent load speed of 20-999 watts
- Large graphic display with load and display of the pulse curve

### Optional

- Blood Pressure Module



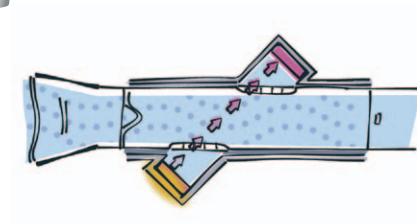
## EasyOne CS Spirometry

Patented ultrasonic flow measurement technology for fast, mindful and reliable operation

The CardioSoft spirometry functionality with the EasyOne-CS-module offers a system for investigating Patients with pulmonary dysfunction. The small, simple to handle EasyOne-CS module allows you to determine in-and expiratory parameters such as FVC, FEV1, MVV among others. In addition, bronchospasmolysis measurement can be recorded. The main reference formulas are automatically Available (ECSC, Forche, Knudson, etc.) and there is a target/actual comparison of the respiratory curves.

### Features

- Calibration-free spirometry
- Provides comparisons to predicted values
- Pre-and postbronchodilator assessments
- Test quality controls that automatically assess patient effort
- Color printout
- Single-patient-use Spirette\* helps minimizing risk of cross-infection
- Meets 2005 ATS/ERS Standardization of Spirometry and NLHEP Spirometry review
- Available in a 50 dispenser pack or economy 200 bulk with refillable dispenser

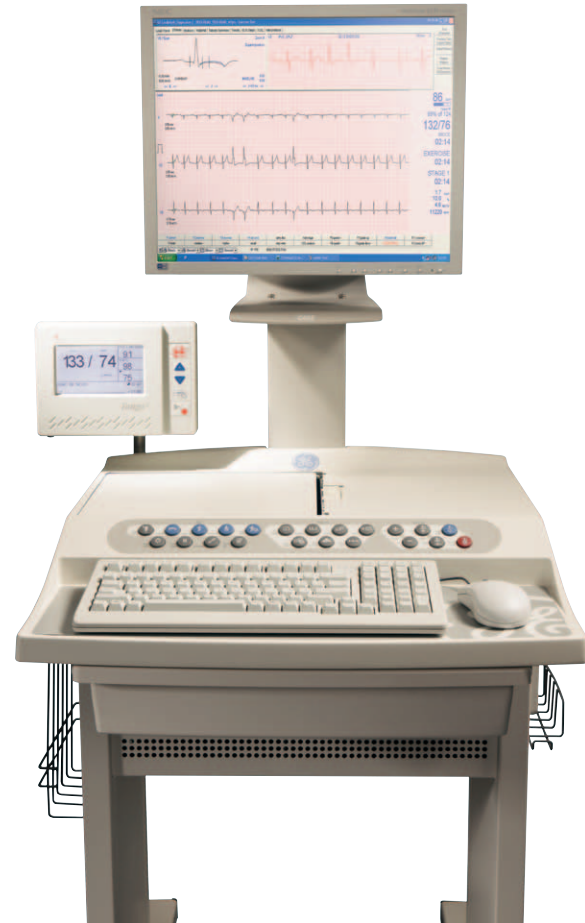


## SunTech Tango+ Blood Pressure

Hands free Monitoring for Stress and Exercise Testing;  
designed for Seamless Integration with the GE CASE\*  
System & CardioSoft\* Stress Testing

### Features

- Mindful & Reliable: Tolerant to exercise Using SunTech's auscultatory K-sound analysis algorithm
- Seamless Integration: Initiate BP measurements from your stress system & automatically record the data on the printed patient report
- Verify BP Measurements: See & hear the Korotkoff sounds using the on-screen display and the included headphones
- Stat Mode: Continuous BP measurements every 2-10 seconds for time sensitive or emerging situations
- Simple Patient Prep: Simple application with pictorial indicators range and artery indicators
- Choice of Orbit-K\* cuff sizes ranging from 18 - 44 cm arm circumference
- Optional SpO<sub>2</sub> module

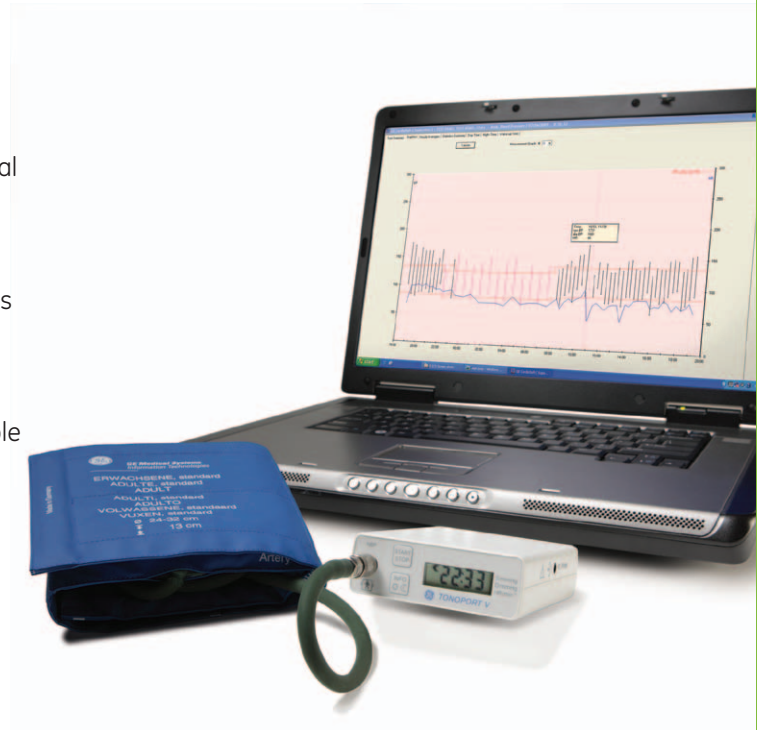


# TONOPORT V Ambulatory Blood Pressure

ABP test as a part of CardioSoft Multifunctional PC-based diagnosis system

## Features

- Presents blood pressure data in textual and graphical displays with user-definable settings
- USB connection to PC for quick download of the recorded data
- Programmable to take BP readings at exact intervals or at random times
- Day and night programming options
- Compact, lightweight design, integrated low-noise pump and user-definable settings, such as adjustable inflation pressure control





# Holter





# Connecting hearts and minds.

Around the world, heart disease is one of our fastest-growing health issues. Sudden Cardiac Death (SCD) claims the lives of millions every year, and many of those did not know they were at risk. The ability to quickly and mindfully predict who is at the greatest risk for SCD has the potential to make a real difference in global health.

The comprehensive suite of the GE Healthcare Marquette\* algorithms available in MARS Ambulatory ECG system and MARS Enterprise i puts the power to predict right in your hands.

CardioDay

CardioMem CM 4000

MARS Enterprise i

SEER Light 24hrs & 48 hrs

SEER 12

MARS VSL

# 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.

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.

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.

With CardioDay 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 available modules for calculating T-Wave Alternans (TWA) and Heart Rate Turbulence (HRT) and Deceleration Capacity (DC).

## CardioMem CM 4000

Simplicity and reliability - two of the outstanding qualities of the CardioMem CM 4000 ECG recorder. This handy, lightweight recorder supports the user throughout all phases of recording and analysing Holter ECGs, from applying the electrodes and entering patient demographic data up to inspecting the ECG waveforms.

### Features

- Recording: 2- or 3-channel ECG
- Operating time: Up to 5 days (depending on battery type)
- Sampling rate: 1024 Hz /12 bit
- Display: 2.4" touch screen, self-orientating
- Storage medium: Integrated micro SD card
- Data transfer: Hi-speed USB,
- Casing: Ingress protection against dust & splashed water

### Optional

- Voice recorder\*
- Bluetooth communication\*
- Pacemaker spike detection\*
- Thorax impedance channel\*
- Activity channel\*
- 1024 sample rate

\*included as standard on the Advanced recorder.



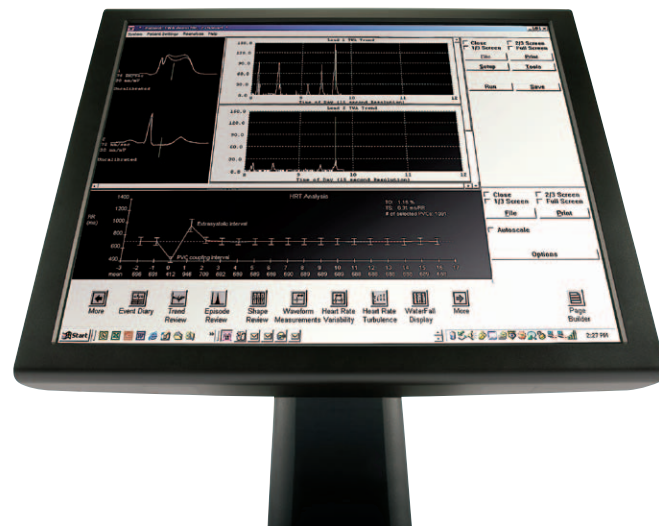
## MARS Enterprise i

MARS\* ambulatory ECG system is a sophisticated Holter system that's can be scaled from the physician's office to the hospital enterprise. The system incorporates excellent analysis programs helping physicians to mindfully determine which post-infarction patients are at high risk for sudden arrhythmic death. These diagnostic and analysis tools can pick up subtle ECG variations - with life-changing results.

Quite possibly, change the outcome of a life.

From bedside to treatment, the MARS system offers streamlined workflow and data access that enhances your diagnostic capabilities and enables physicians to do more with confidence:

- Full integration with the GE Healthcare patient monitoring network connected to CARESCAPE CIC Pro may expand the potential of existing monitoring systems
- Connectivity to the MUSE\* Cardiology Information System allows you to store Holter reports for better accessibility and workflow
- Secure Web upload supports access to data from sites that are not connected to a LAN, WAN, or VPN, for faster data review and diagnosis



### Features

- EK-Pro\* ECG arrhythmia analysis
- QT interval measurement\*
- T-wave Alternans\*
- Heart Rate Turbulence\*
- Atrial fibrillation detection
- ST segment measurement\*
- Heart Rate Variability\*
- Pacemaker detection
- Marquette 12SL\* analysis program\*

\*optional

## SEER Light 24hr & 48hr

The SEER Light is our smallest and lightest Holter recorder, weighing in at only 72 grams (2.5 ounces). It provides 24 hours of 2-3 channels of full-disclosure ECG with pacemaker detection, a simple-to-use patient event button, and access to patient demographics for easy study identification.

The SEER Light Extend recorder is for patients who require monitoring for a longer period of time. It offers 48 hours of reliable ambulatory ECG data acquisitions, with all the same features as the SEER Light.

Both these digital Holter recorders are designed for high performance and durability, meeting quality and integrity performance guidelines for ambulatory ECG acquisitions.

### Features

- Small, compact digital recorders weighing only 72 grams (2.5 oz.).
- Provides 2-3 channels of diagnostic-quality ECG for up to 24 hours, with the SEER Light Extend offering 48 hours of monitoring.
- Integral pacemaker detection avoids the expense of a separate dedicated pacemaker recorder.
- Onboard memory with solid-state technology for reliability and durability.
- Patient event button allows patients to quickly and easily indicate when an episode occurs.
- Handheld controller provides patient demographics entry and visual confirmation of correct lead placement.
- Compatible with MARS Holter systems.
- Marquette EK-Pro\* analysis for Holter.



## SEER 12

The SEER 12 long-term ECG digital recorder lets you stay connected to your patients for up to 72 hours, so you can better evaluate ongoing cardiac conditions and gather the data you need for real diagnostic confidence. It's another way we connect the hearts of patients to the minds of physicians in ways that may lead to better outcomes.

With portable digital data storage and other advanced features, you can be sure you are getting the high-quality data you need, with a device that gives patients better freedom throughout the process.

### Features

- 12-channel ECG with 1,024 Hz sample rate
- Easy-to-read graphic display and user-friendly menu design
- Pacemaker detection
- Saves continuous, high-fidelity ECG data for up to 72 hours
- Displays all 8-leads on-screen for mindful and quality hookups
- Convenient CompactFlash\* data storage



## MARS VSL

The new WideMed Morpheus Hx sleep apnoea diagnostic system, available exclusively with the MARS Virtual Sleep Lab (VSL) system, turns every GE-monitored inpatient bed connected to CARESCAPE\* Clinical Information Center\* (CIC) Pro into a virtual sleep lab. The system gives physicians the ability to do on-demand diagnosis, treatment, and referral of cardiac patients with sleep apnoea by using real-time patient monitoring data.

### The new MARS VSL with WideMed Morpheus Hx helps:

- Streamline inpatient sleep apnoea diagnosis, treatment, and referral
- Automate results reports, including clinical report, analysis, and interpretation
- Speed up Web access to sleep diagnosis results for faster physician data review
- If necessary, prescribe an APAP device for quick treatment
- Help to improve cardiac disease outcome through early diagnosis of cardiac patients with sleep apnoea
- Enhance your healthcare facility's offering to include sleep apnoea diagnosis
- Identify patients suitable for sleep lab referrals
- Transform every GE-monitored bed connected to CARESCAPE CIC Pro into a virtual sleep lab, leading to increased utilization of resources



The WideMed Morpheus Hx is not available in all markets.

# Defibrillators





# Connecting hearts and minds.

GE Defibrillators put you in control throughout the critical care chain – from the scene of the heart attack, via the ambulance, to the hospital.

Responder AED

Responder AED Pro

Responder 2000

Defibrillators

## Responder AED & Responder AED Pro Defibrillators

Responder AED Pro is capable of saving lives by ending fibrillation, and it can also be used as a simple monitor for intra-hospital transport. If a patient is being monitored with the ECG cable and a lethal arrhythmia is detected by the unit, it will instruct the user to attach defib pads and shock.

- Designed for the non-clinical user
- Verbal instructions provide step-by-step guidance
- Algorithms individually customize defibrillation energy
- Pre-connected electrodes help minimizing “fumbling” & delays
- Pediatric features for use on children <8 yrs or <25 kg (<55 lbs.)
- Routine internal testing ensures readiness & reliability
- Long-life battery with status indicator provides confidence

### In addition, the Responder AED Pro also includes

- A manual override for clinicians
- A rechargeable battery (optional)
- Color display
- Metronome feature
- Monitoring mode via 3 lead ECG cable



# Responder 2000 Defibrillator

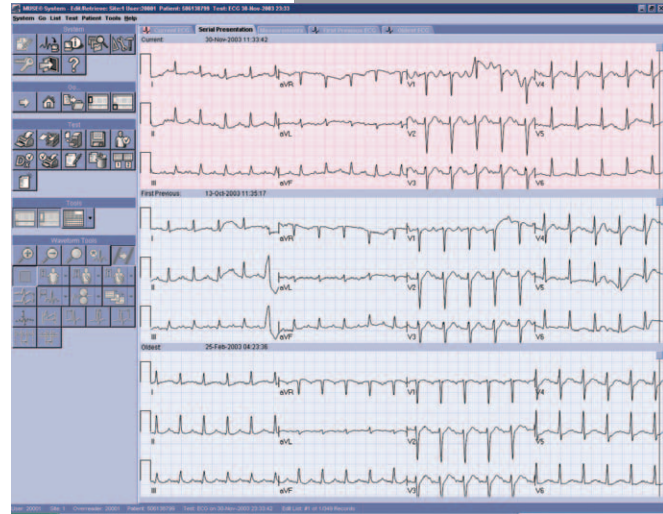
## Ready at the critical moment

The Responder 2000 (R2K) was designed as an indoor crash-cart defibrillator and is targeted for use in hospitals, surgery centers, physicians' offices, and clinics. It is not appropriate for use in Ambulances or by other first responders such as police or fire fighters. It is intended for use exclusively by medical professionals trained in its operation.

- Fast: Once a defibrillation shock is delivered, the fast rechargeable battery keeps the unit ready for subsequent shocks.
- Timely: RHYTHMx\* algorithm technology quickly assesses the patient.
- Mindful: Energy delivery is customized to the needs of the patient.



# Cardiology Information System



# Connecting hearts and minds.

MUSE collects and distributes non-invasive cardiac data from different sources, supporting network connectivity scalable to your needs. MUSE provides comprehensive data storage, management and statistical analysis with easy access from virtually anywhere.

MUSE

Cardiology Information System

## MUSE Cardiology Information System

The MUSE\* cardiology information system streamlines cardiology assessments, automates and speeds up ECG overreviewing, editing and reporting.

Using latest standard IT tools validated for VMware, there is no need to find a compromise between IT or the clinical world.

- Serial presentation and waveform format options provide full-grid display of all GE legacy ECGs.
- Exclusive "on-demand" serial comparison analysis option for proper data synchronization.
- Innovative diagnosis editing options, including applications to expedite physicians' ECG confirmation.
- Enhanced measurement capabilities, including zoom magnification tools and high-resolution calipers.
- Enhanced database search and management reports.
- Pacemaker ECG reports received from MAC 5500 HD are provided with clear visualization on MUSE screen with a separate pacemaker channel
- ECG Reanalysis making use of the latest Marquette\* 12SL\* ECG analysis program.



- User-configurable presentation choices, such as Edit List preset options, navigational icon configurations and data format displays. “Physician specific ECG inbox”
- Integration with GE’s CASE exercise testing, MAC\* resting ECG, CardioSoft\* multi-parameter and MARS\* ambulatory ECG systems, containing raw data and reports.
- Acquire pre-hospital 12-lead ECGs from leading defibrillator manufacturers analyzed with the Marquette 12SL ECG analysis program
- Bidirectional integration with GE’s Carescape bedside patient monitors and 12-lead ECGs transfer from Dash\* and Solar\* monitors.
- Patient name and ID number mismatches are clearly identified to aid editing workflow.
- The MUSE system provides additional security via a number of features to assist in enabling HIPAA requirements.

- HL7 Interface options for ADT, orders, textual results, waveform results and billing transactions helps to improve data consistency across all electronic records and speed billing cycles.
- Web server options provide enterprisewide, browser-based review of records stored in the MUSE system, including the ability to access data from multiple MUSE servers or sites.
- Web API applications facilitate the visual integration of cardiology data into customer-supplied Electronic Medical Record (EMR) systems, Clinical Data Repositories (CDR) and/or Hospital Information Systems (HIS).
- MUSE XML import and export options provide greater data communication capabilities between GE and non-GE acquisition systems and databases.



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GE imagination at work