

Anexa 113 Specificație tehnică completată**Model: MAC 600, Producător: GE Medical Systems, GE Healthcare, Tara: USA/SUA**

| Specificarea tehnică deplină solicitată de către autoritatea contractantă | Specificarea tehnică deplină completată de către autoritatea ofertantă |
|---|---|
| <p>Electrocardiograf cu 3 canale, caracteristici de baza Cod 260200</p> <p>Descriere Electrocardiograf cu 3 canale, care înregistrează, printează și/sau interpretează ECG de la o singură sau mai multe derivații simultan cu display monocrom.</p> <p>Parametrul Specificația</p> <p>Tip pacient adult, pediatric</p> <p>Numărul de canale de procesare 3</p> <p>Configurația Portabil da</p> <p>Derivațiile Tip înregistrare auto și manual</p> <p>Sensibilitatea 2.5, 5, 10, 20 mm/mv</p> <p>Semnal de calibrare 1 mV, ± 3%</p> <p>Gama de frecvență De diagnostic 0.05-150 Hz</p> <p>Filtru muscular 25, 35Hz</p> <p>Filtru frecvență joasă 0.05, 0.16, 0.25, 0.32, 0.5, 0.67Hz</p> <p>Filtru frecvență înaltă 20, 40, 100, 150Hz</p> <p>Filtru de rețea 50 Hz</p> <p>Impedanța de intrare ≥ 10 M Ohm</p> <p>Gama de rejecție a modului comun la 50 Hz > 100 dB</p> <p>Convertor analog-digital ≥ 12 bit</p> <p>Surgeri spre pacient prin electrozi ≤10 µA</p> <p>Detector de pacemaker da</p> <p>Indicator deconectare electrod acustic sau vizual da</p> <p>Imprimantă Termică încorporată</p> <p>Mărimea hîrtiei ≥ 60 mm</p> <p>Să se indice numele derivației printate da</p> <p>Viteza de înscriere 5, 10, 25, 50 mm/s</p> <p>Densitatea imprimării 8 dpi/mm (rezoluție verticală) și 40 dpi/mm (rezoluție orizontală) la viteza de 25 mm/s</p> <p>Derivațiile înscrise minim 12</p> <p>Numărul de derivații înscrise simultan 3</p> <p>Hîrtia termică să fie compatibilă și de la alți producători de hîrtie cu dispozitivul ECG da</p> <p>Display Grafic da</p> <p>LCD monochrom da</p> <p>"Monitorizarea pe display: data, ora, sensibilitatea, viteza de înscriere, filtru, derivațiile" da</p> <p>Marime ecran ≥ 3 inch</p> | <p>Electrocardiograf cu 3 canale, caracteristici de baza Cod 260200</p> <p>Descriere Electrocardiograf cu 3 canale, care înregistrează, printează și/sau interpretează ECG de la o singură sau mai multe derivații simultan cu display monocrom. DA</p> <p>Parametrul Specificația</p> <p>Tip pacient adult, pediatric DA</p> <p>Numărul de canale de procesare 3 DA</p> <p>Configurația Portabil DA</p> <p>Derivațiile Tip înregistrare auto și manual DA</p> <p>Sensibilitatea 2.5, 5, 10, 20 mm/mv DA</p> <p>Semnal de calibrare 1 mV, ± 3% DA</p> <p>Gama de frecvență De diagnostic 0.05-150 Hz DA</p> <p>Filtru muscular 25, 35Hz DA</p> <p>Filtru frecvență joasă 0.05, 0.16, 0.25, 0.32, 0.5, 0.67Hz DA</p> <p>Filtru frecvență înaltă 20, 40, 100, 150Hz DA</p> <p>Filtru de rețea 50 Hz DA</p> <p>Impedanța de intrare ≥ 10 M Ohm DA</p> <p>Gama de rejecție a modului comun la 50 Hz > 100 dB DA</p> <p>Convertor analog-digital ≥ 12 bit DA</p> <p>Surgeri spre pacient prin electrozi ≤10 µA DA</p> <p>Detector de pacemaker DA</p> <p>Indicator deconectare electrod acustic sau vizual DA</p> <p>Imprimantă Termică încorporată DA</p> <p>Mărimea hîrtiei ≥ 60 mm DA</p> <p>Să se indice numele derivației printate da DA</p> <p>Viteza de înscriere 5, 10, 25, 50 mm/s DA</p> <p>Densitatea imprimării 8 dpi/mm (rezoluție verticală) și 40 dpi/mm (rezoluție orizontală) la viteza de 25 mm/s DA</p> <p>Derivațiile înscrise minim 12 DA</p> <p>Numărul de derivații înscrise simultan 3 DA</p> <p>Hîrtia termică să fie compatibilă și de la alți producători de hîrtie cu dispozitivul ECG da DA</p> <p>Display Grafic DA</p> <p>LCD monochrom DA</p> <p>"Monitorizarea pe display: DA</p> |

| | |
|---|--|
| <p>Rezoluție display \geq 320x240</p> <p>Numărul de derivații afișate simultan \geq 6</p> <p>Posibilitatea introducerii rapide a datelor pacientului Nume, ID, vîrstă, sex, greutate, înălțimea</p> <p>Ajustarea automată a izoliniei da</p> <p>Identificarea aritmiei da</p> <p>Ritmului cardiac Diapazon 30 - 300 BPM</p> <p>Auratea \pm 1 BPM</p> <p>Interpretarea Sistem de interpretare a datelor ECG da</p> <p>Măsurări PR, QT, QTC, P, QRS, T, HR;</p> <p>Timpul interpretării minim 10 s</p> <p>Alimentarea 220 V, 50 Hz</p> <p>Baterie internă reîncărcabilă da</p> <p>Timp operare autonomă \geq 2 h</p> <p>Protecție defibrilator da</p> <p>Indicatori vizuali contact slab sau lipsă de contact da</p> <p>status sistem da</p> <p>deconectare alimentare rețea da</p> <p>baterie descărcată da</p> <p>Accesorii</p> <p>Cablu pacient cu set de electrozi pectorali de tip pară (6 buc.) și membranari de tip clește (4 buc.) 2 set.</p> <p>Hîrtie termică 30 buc.</p> <p>Gel de contact 1 litru</p> | <p>data, ora, sensibilitatea, viteza de înscrriere, filtru, derivațiile" DA</p> <p>Marime ecran \geq 3 inch</p> <p>Rezoluție display \geq 320x240 DA</p> <p>Numărul de derivații afișate simultan \geq 6 DA</p> <p>Posibilitatea introducerii rapide a datelor DA pacientului Nume, ID, vîrstă, sex, greutate, înălțimea DA</p> <p>Ajustarea automată a izoliniei DA</p> <p>Identificarea aritmiei DA</p> <p>Ritmului cardiac Diapazon 30 - 300 BPM DA</p> <p>Auratea \pm 1 BPM DA</p> <p>Interpretarea Sistem de interpretare a datelor ECG DA</p> <p>Măsurări PR, QT, QTC, P, QRS, T, HR; DA</p> <p>Timpul interpretării minim 10 s DA</p> <p>Alimentarea 220 V, 50 Hz DA</p> <p>Baterie internă reîncărcabilă DA</p> <p>Timp operare autonomă \geq 2 h DA</p> <p>Protecție defibrilator DA</p> <p>Indicatori vizuali contact slab sau lipsă de contact DA</p> <p>status sistem DA</p> <p>deconectare alimentare rețea DA</p> <p>baterie descărcată DA</p> <p>Accesorii</p> <p>Cablu pacient cu set de electrozi pectorali de tip pară (6 buc.) și membranari de tip clește (4 buc.) 2 set. DA</p> <p>Hîrtie termică 30 buc. DA</p> <p>Gel de contact 1 litru DA</p> |
|---|--|

EC Certificate

EU Quality Management System

REGULATION (EU) 2017/745 on Medical Devices, Annex IX Chapter I,
Section 2 and 3 and Chapter III



Registration No.: HZ 2214580-1

Manufacturer: GE Medical Systems Information Technologies, Inc.
9900 Innovation Drive
Wauwatosa, WI 53226
USA

EUDAMED Single Registration No.: N/A

Products: Class IIa- Z120503 ELECTROCARDIOGRAPHS
Class IIb -Z120302 VITAL SIGNS MONITORING INSTRUMENTS

Authorised representative(s): GE Medical Systems SCS
283 Rue de la Miniere, 78530 BUC
France

| Certificate history | | |
|---------------------|--------------|-------------|
| Revision: | Description: | Issue date: |
| 0 | Initial | 2020-11-17 |

The Notified Body hereby declares that the requirements of Annex IX, Chapter I, Section 2 and 3 of the REGULATION (EU) 2017/745 have been met for the listed products. The above named manufacturer has established and applies a quality management system, which is subject to periodic surveillance, defined by Annex IX, Chapter I, Section 3 of the aforementioned regulation. The requirements of Annex IX, Chapter III are fulfilled. If class III devices or class IIb implantable devices referred to in the second subparagraph of Article 52(4) are covered by this certificate an EU technical documentation assessment certificate according to Chapter II, Section 4.9 is required before placing them on the market.

Report No.: 234158038-30
Effective date: 2020-11-17
Expiry date: 2025-10-30
Issue date: 2020-11-17



TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany

TÜV Rheinland LGA Products GmbH is a Notified Body according to REGULATION (EU) 2017/745 concerning medical devices with the identification number 0197.

EC Certificate

EU Quality Management System

REGULATION (EU) 2017/745 on Medical Devices, Annex IX Chapter I,
Section 2 and 3 and Chapter III



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9900 Innovation Drive
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EUDAMED Single Registration No.: N/A

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Certificate

Quality Management System EN ISO 13485:2016

Registration No.: SX 60146867 0001

Organization: GE Medical Systems
Information Technologies, Inc.
9900 Innovation Drive
Wauwatosa, WI 53226
USA

Scope: Design, Development, and Manufacture of Patient Monitoring Systems,
Cardiology ECG Recording and Analysis Systems, Invasive Cardiology
Equipment Systems and Medical Software

The Certification Body of TÜV Rheinland LGA Products GmbH certifies that the organization has established and applies a quality management system for medical devices.

Proof has been furnished that the requirements specified in the abovementioned standard are fulfilled. The quality management system is subject to yearly surveillance.

Report No.: 32090997.003

Effective date: 2020-08-12

Expiry date: 2023-03-11

Issue date: 2020-08-12



A handwritten signature in blue ink that reads "Balazs Bozsik".

Balazs Bozsik
TÜV Rheinland LGA Products GmbH
Tillystraße 2 · 90431 Nürnberg · Germany



DAkkS

Deutsche
Akkreditierungsstelle
D-ZM-14169-01-02

GE Healthcare

MAC[®] 600 Resting ECG

Connecting hearts and minds



Reaching more people with digital ECG

It's a new picture of global health

Around the world, improving health starts with improving access to healthcare technology. To meet this need, we must create both equipment and data that travels easily—connecting the hearts of patients to the minds of physicians seamlessly.

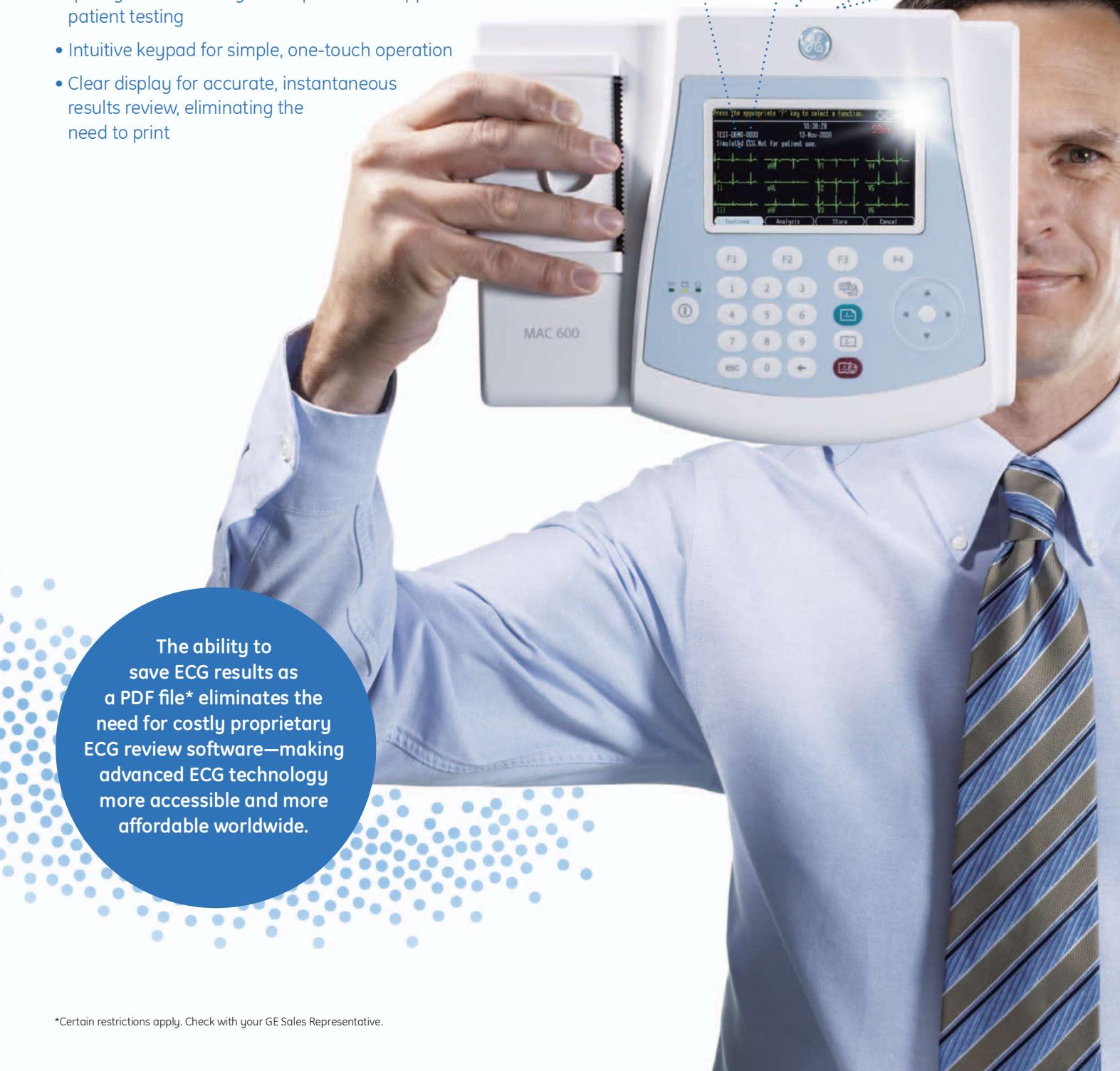
The MAC 600 enables physicians to bring advanced ECG analysis to patients they could never reach before. With leading clinical technology and an SD card that puts vital data right in your hands. With on-screen results that help save time, energy, and paper. And with the diagnostic confidence that comes from Marquette® 12SL™ analytical tools. All tucked inside an incredibly portable, easy-to-use ECG system.

Improving access. Meeting needs. The MAC 600 lets you picture a healthier future for people around the world. Starting today.

A clear view of cardiac health in just one click

Easier-to-use ECG technology enables clinicians to test more patients in less time, increasing access to high-quality healthcare for everyone. That's why the MAC 600 is designed to be as easy as "connect and click," while ensuring the quality of ECG data. The result is a fast, simple ECG testing process that helps physicians focus on diagnosis and care.

- HookUp Advisor™ indicates accuracy of ECG signal quality to avoid costly ECG repeats and support faster patient testing
- Intuitive keypad for simple, one-touch operation
- Clear display for accurate, instantaneous results review, eliminating the need to print



SD card for storage and transport

Connect to CardioSoft ECG viewer

Advanced ECG. Travel-sized.

To address the healthcare needs of a growing global population, first we must reach them. The MAC 600 is lightweight and portable, packing advanced ECG analysis into a compact system that goes where you do.

- One of the lightest ECG available—only 1.2 kg
- Lithium ion battery is long-lasting and energy-efficient, powering three hours of use on one charge, the equivalent of up to 250 ECG tests
- SD card storage of ECGs (similar to a digital camera) is a readily available, portable storage system that enables easy access to ECG test results—simply take your SD card with you for fast download and printing from a secure computer

Expanded abilities: scalable, searchable, incredibly capable

By connecting to the CardioSoft™ ECG Viewer, you can transform your MAC 600 into a complete ECG acquisition and storage system, with access to thousands of ECG tests, searchable by patient. CardioSoft is a completely scalable program, easily upgraded for expanded functionality and ECG workflow efficiencies.



More ECG technology in your hands. Less paper to carry around.

The MAC 600 puts advanced diagnostic tools at your fingertips, enabling physicians to deliver one of the world's best ECG analyses. And with on-screen ECG results, you have the completely digital workflow that can help you diagnose patients faster than ever before.

- On-screen preview of waveforms and 12SL interpretation enables digital ECG workflow for faster time to treatment
- Proven Marquette 12SL analysis helps support diagnostic confidence
- 12-lead color display provides clear results review without printing

By using the on-screen review feature, one MAC 600 used in an urban clinic has the potential to save the equivalent of one tree per year, or 59 kg of paper annually.



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12SL, CardioSoft and HookUp Advisor are trademarks of General Electric Company.

GE Healthcare, a division of General Electric Company

About GE Healthcare

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services helps our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality and efficiency around the world.

GE Healthcare
Munzinger Straße 5
79111 Freiburg, Germany
Tel. +49 761 4543 0 • Fax +49 761 4543 233
www.gehealthcare.com



GE imagination at work



MAC™ 600

Resting ECG



Instrument Type

Microprocessor augmented automatic electrocardiograph; 10-leadwire, 12 lead simultaneous acquisition with programmable lead configuration.

Processing

| | |
|---------------------------|---|
| ECG Interpretation | Marquette™ 12SL ECG Analysis Program for adults and pediatrics |
| Computerized measurements | 12-lead analysis |
| ECG analysis frequency | 500 samples/second (sps) |
| Digital sampling rate | 2,000 samples/second/channel |
| ECG on-screen preview | On-screen preview of acquired 10 second ECG waveform and optional 12SL measurement and interpretation |
| Acquisition mode | Pre-acquisition or post-acquisition, provide 10 seconds of instantaneous ECG acquisition |
| Dynamic range | AC Differential \pm 5mV DC offset \pm 300 mV |
| Resolution | 4.88 μ V/LSB at 500 sps |
| Frequency response | -3 dB at 0.01 to 150 Hz |
| Low cut-off frequency | 0.01 Hz, 0.02 Hz, 0.16 Hz or 0.32 Hz (-3 dB limits) |
| High cut-off frequency | Configurable at 20 Hz, 40 Hz, 100 Hz or 150 Hz |
| Adaptive AC filter | 47 Hz to 53 Hz when set to 50Hz 57 Hz to 63 Hz when set to 60 Hz |
| Common mode rejection | >100 dB (with AC filter switched on) |

Input impedance

>10MW at 10 Hz, defibrillator protected

Patient leakage

<10 μ A

Special acquisition functions

Disconnected lead detection except RL, excessive AC noise, baseline wander and muscle tremor messages

Heart rate meter

30 to 300 BPM \pm 10% or \pm 5 BPM, whichever is greater. Heart rates outside this range will not be displayed

Start-up time

Less than 7 seconds

Patient information

Supported patient information

Patient ID, Secondary ID, Age, Date of Birth, Gender

Alphanumeric entry in T9 type for patient ID and secondary ID

Display

Display type

4.3 inch (110 mm) diagonal, TFT LCD with LED graphics backlit (color optional)

Display resolution

480 X 272 pixels with scrolling waveform

Display data

Heart rate, patient ID, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, information messages, prompts. 12 leads standard display.

Writer

Writer technology

Thermal dot array

Writer speed

5, 12.5, 25, & 50 mm/s

| | |
|---------------------------|--|
| Number of traces | 3 leads + 1 Rhythm or 3 leads; user selectable |
| Writer sensitivity/gain | 2.5, 5, 10, 20, 10/5 (split calibration) mm/mV |
| Writer speed accuracy | ±5% |
| Writer amplitude accuracy | ±5% |
| Writer resolution | Horizontal 40 dots/mm at 25 mm/s, 8 dots/mm vertical |
| Paper type | Thermal. Z-fold perforated, 80 mm width, 280 sheets/pack. Roll paper 15.7 m |

Keyboard

| | |
|------|--|
| Type | Type Membrane keyboard with tactile feedback |
|------|--|

Software standard

| | |
|------------------------|--|
| Resting ECG mode | Records and prints 12-lead resting ECGs with 10 seconds duration as a standard feature |
| Hookup Advisor™ | Provides visual indication of signal quality |
| Multi-language support | Supports 16 languages |

Software options

| | |
|--------------------------------|--|
| Measurement | Supports measurement with Marquette 12SL ECG Analysis Program |
| Measurement and interpretation | Supports measurement and interpretation with Marquette 12SL ECG Analysis Program |
| Color | Color display |
| External Storage | 200 ECGs in external memory (SD card) |
| Transmission | ECG data transmission via serial cable |
| XML Format | ECG Storage in XML format |
| PDF format ¹ | ECG Storage in PDF format |

Communication (optional)

MUSE™ Cardiology Information System compatible

| | |
|-------------------|---|
| Serial cable | ECG Transmission to MUSE™ Cardiology Information System |
| Serial cable | ECG transmission in XML format |
| SD card interface | Compatible with MUSE V7 or later |

Cardiosoft™ interface

| | |
|-------------------|--|
| SD card interface | Compatible with Cardiosoft V6.51 or later |
| Serial cable | ECG transmission over serial line to CardioSoft V6.61 or above |

MobileLink RC WiFi Interface

| | |
|---------------|--|
| MobileLink RC | ECG wireless transmission through a communicator module attached to the device |
|---------------|--|

Storage (optional)

| | |
|----------------------|--|
| ECG Storage Format | GE™ storage format for MUSE and Cardiosoft |
| | XML storage format |
| | PDF storage format |
| PDF File name format | User configurable file name, which includes patient ID, secondary ID, Date of Birth, ECG recording date and time |

Report formats

| | |
|--------------------------------|--|
| Thermal printer report formats | 4 by 2.5s 4 by 2.5s + 1 rhythm lead 4 by 3s 4 by 10s Autorhythm (10 second ECG data for 3 leads) Printing of 4 by 10s or Autorhythm for abnormal ECG Continuous 3 channel rhythm |
| PDF report format (A4 format) | 4 by 2.5s 4 by 2.5s + 1 rhythm lead 2 by 5s 2 by 5s + 1 rhythm Id 2 by 5s at 50mm/s 4 by 10s Autorhythm (12 lead) |

Accessories

IEC/AHA lead-wire and electrode adaptor sets (user selectable)

10-lead patient cable (user selectable replaceable leads or fixed lead cables)

Electrodes (disposable or reusable, user selectable)

Country-specific power cords

Z-fold and Roll paper

Electrode cream 250ml/tube

Electrical

| | |
|--------------|--|
| Power Supply | External ACDC adaptor or battery operation |
|--------------|--|

External adaptor specifications

| | |
|-----------------|---|
| Input voltage | 100 to 240 VAC $\pm 10\%$ |
| Input current | Maximum 0.6A at 90 VAC, 0.3A at 240 VAC |
| Input frequency | 50 to 60 Hz $\pm 3\text{Hz}$ |
| Output voltage | 12V $\pm 5\%$ |

Battery specifications

| | |
|---------------------|--|
| Battery type | Replaceable and rechargeable, Lithium Ion |
| Battery capacity | 7.2V typical, 3.35 AH $\pm 10\%$ 450 minutes of continuous operation without recording or 350 ECGs in 2.5 X 4 format at 25 mm/S and 10 mm/mV or 150 minutes continuous rhythm print at 25 mm/S and 10 mm/mV |
| Battery charge time | Approximately 4 hours from total discharge (with display off) |

Physical specification

| | |
|--------|---|
| Height | 81 mm |
| Width | 263 mm |
| Depth | 208 mm |
| Weight | 1.2 kg including battery, without paper |

Environmental specification

Temperature

| | |
|-------------------|---------------|
| Operating | 5°C to 40°C |
| Transport/storage | -15°C to 50°C |

Humidity

| | |
|-------------------|------------------------------|
| Operating | 25% to 95% RH non-condensing |
| Transport/storage | 25% to 95% RH non-condensing |

Pressure

| | |
|-------------------|-----------------|
| Operating | 700 to 1060 hPa |
| Transport/storage | 500 to 1060 hPa |

Certification

| |
|---|
| Class I, type CF defibrillator proof |
| UL 60601-1 Medical Electrical Equipment, part 1:General Requirements for Safety |
| CAN/CSA C22.2 No. 601.1 General Requirements for Safety |
| CE marking for Council Directive 93/42/EEC concerning medical devices |
| IEC 60601-1 General Requirements for Safety |
| IEC 60601-1-1 General Requirements for Safety Medical Electrical systems |
| IEC 60601-2-25 Particular Requirements for the Safety of Electrocardiographs |
| IEC 60601-2-51 Particular requirements for safety, including essential performance, of recording and analyzing single channel and multi channel electrocardiographs |
| IEC 60601-1-2 General Requirements for Safety Electromagnetic Compatibility |
| IEC 60601-1-4 General Requirements for Safety – Programmable electrical medical systems |
| IEC 60601-1-6 General Requirements for basic safety and essential performance – Collateral Standard: Usability – Edition 2.0 |
| Meets applicable AAMI EC-11 requirements and AAMI EC 13 (Clause 4.2.7 only) |

¹ECG storage in PDF format is not supported in Russian language.

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AC 600 ECG Analysis System

Enabling more people with digital ECG

Reaching more people with digital ECG

Introducing the MAC™ 600 ECG Analysis System

The 3-channel ECG system for cost-sensitive clinics as well as practices who want portability, ease-of-use, high quality and communication possibilities.



Reaching more people with digital ECG

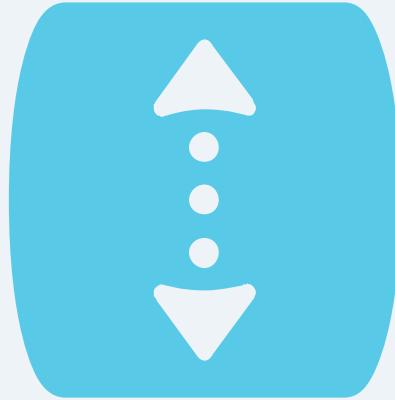
Portable



Advanced Technology



Connected



Portable



table

- Compact and easy to carry
 - Very light weight of 1.1 kg
- Battery allows 250 single page continuous operation
- Easy cleaning
- 3 channel and one rhythm print out
- Storage of up to 200 ECGs on SD card
- Easy to use buttons

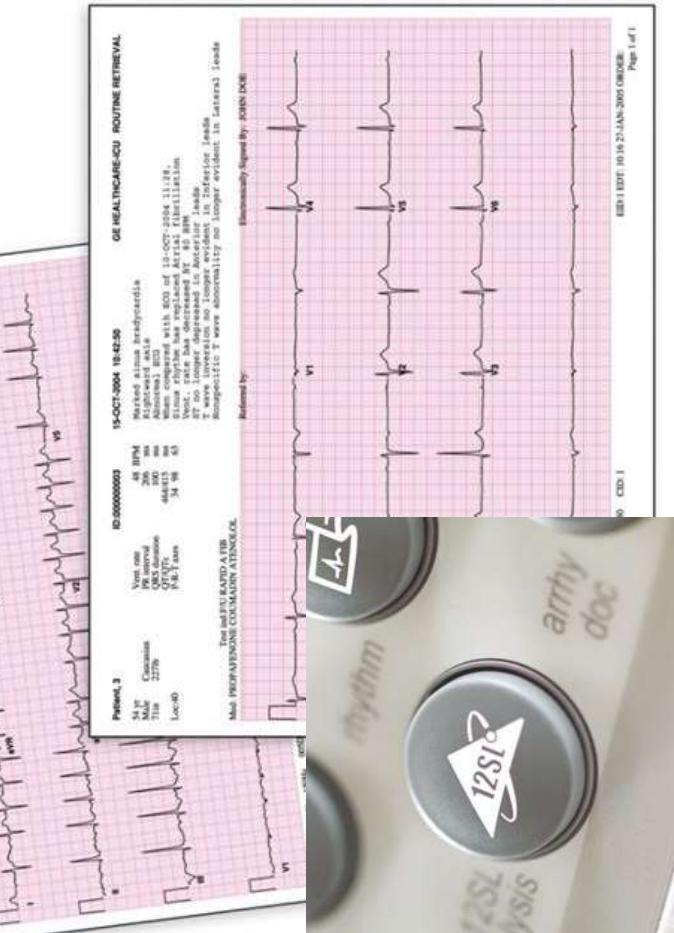


Advanced Technology



Rquiette™ 12SL™

- Over 30 years of innovation and development
- Over 150 scientific references
- Validated against clinically-correlated databases for accuracy¹



- ACI-TIPI option calculates probability of the presence of Acute Cardiac Ischemia

- Gender-specific interpretation been shown to provide a 25% relative improvement in detection of Acute Inferior MI in women under 60 years of age²

¹For more details please refer to the GE 12SL statement of validation and accuracy
²Xue, J. et al. "A New Method to Incorporate Age and Gender into the Criteria for Detection of Acute Inferior Myocardial Infarction." *J Electrocardiol.* 34(4) (Part 2001):229-234

Hookup Advisor program

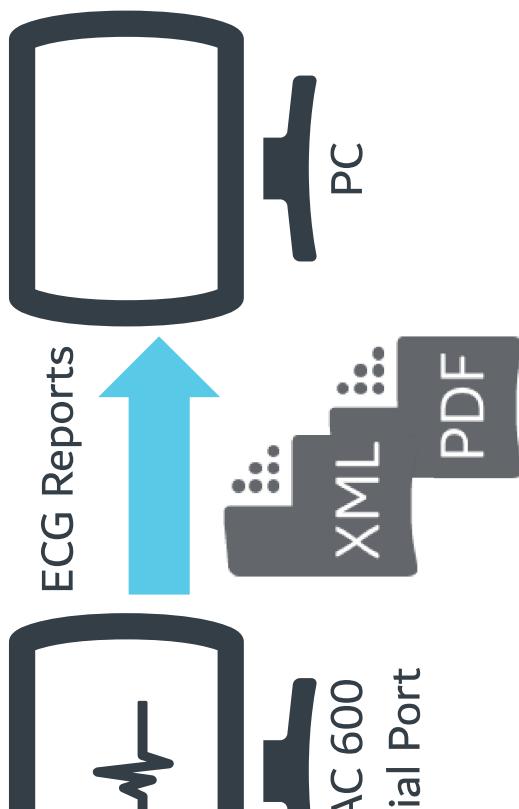
- Hookup Advisor™ program helps clinicians identify a quality signal prior to acquisition
- Identifies the type of noise & leads affected
- Helps clinicians avoid costly repeat ECGs



Connected



ECG 600 workflow with shared directory/PC workstation

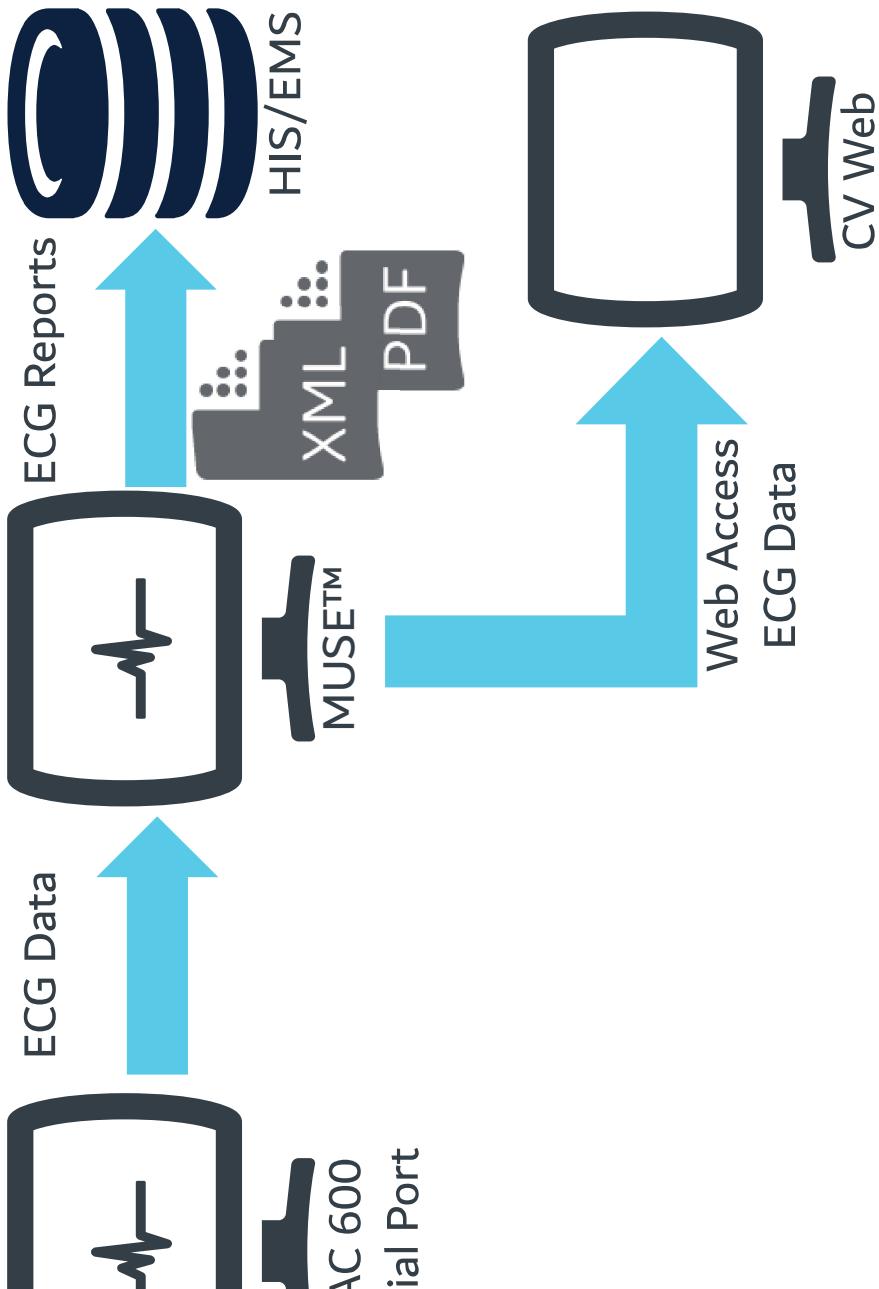


- Paperless workflow
- PDF out, selectable naming
- Built-in storage of up to 200 ECGs
- Serial port communication

ECG 600 workflow with CardioSoft Diagnostic Program



AC 600 workflow with MUSE Cardiology Information System



GE MAC 600 ECG Analysis System

Reaching more people with digital ECG



Building a world that works





EC DECLARATION OF CONFORMITY

TF - DOC0681698 (CE-A-005)

Following the provisions of the medical devices directive 93/42/EEC, Annex VII and of the directive 2011/65/EU.

EG-KONFORMITÄTSERKLÄRUNG

Gemäß den Vorschriften der Richtlinie 93/42/EWG über Medizinprodukte, Anhang VII und der Richtlinie 2011/65/EU.

We/ Wir

| | |
|--|--|
| Manufacturer <i>Hersteller</i> | EU Authorized Representative <i>Autorisierter EU-Vertreter</i> |
| GE Medical Systems Information Technologies, Inc. 8200 West Tower Avenue Milwaukee, WI 53223, USA | GE Medical Systems Information Technologies GmbH Munzingerstrasse 5 79111 Freiburg, Germany |

Manufacturing site (if different from manufacturer)
Fertigungsstätte (falls anders als Hersteller)

| | |
|---|--|
| Wipro GE Healthcare Private Limited No. 4, Kadugodi Industrial Area Bangalore 560067, Karnataka, India | GE Healthcare Finland OY Kuortaneenkatu2 Helsinki, FIN-00510, Finland |
|---|--|

GE Healthcare Critikon de Mexico
Calle Valle Del Cedro 1551
Ciudad Juarez, Chihuahua, Mexico, C.P. 32575

Declare under our sole responsibility that the class **IIa** medical device:

Erklären unter unserer alleinigen Verantwortung, dass das Medizinprodukt der Klasse IIa:

MAC 600

Interpretive Multichannel Electrocardiograph

Ref. : see addendum/ oder siehe Anhang

GMDN Code: 11407

UMDNS Code: 11411

Classification rule (93/42/EC Annex IX) / Klassifizierungsregel (93/42/EWG Anhang IX) : **Rule 10**

Milwaukee, USA, 6-February-2015

Milwaukee, USA, 6.February.2015



Douglas Kentz
Regulatory Affairs Director



To which this declaration relates, is in conformity with the requirements of the medical devices directive 93/42/EEC which apply to it and with the requirements of the directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Auf das sich diese Erklärung bezieht, den Anforderungen der Richtlinie 93/42/EWG über Medizinprodukte, die für das Produkt gelten, und den Anforderungen der Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten entspricht.

This medical device conformity is based on the following elements:

Diese Medizinprodukte Konformität basiert auf den folgenden Elementen:

- Information included in the documents:
Technical Documentation/DHF Ref./ réf: **DOC0851945**, of the product to which this declaration relates.
Informationen, die in den Dokumenten enthalten sind:
Technische Dokumentation/DHF-Ref./réf: **DOC0851945** des Produkts, auf das sich diese Erklärung bezieht.
 - EC certificate: approval of full quality assurance system (Annex II of the medical devices directive 93/42 EEC) delivered by LNE/G-MED France, (NB #0459) on 14-Jan-2013/ Certificate No. 7550.
 - *EG-Zertifikat: Genehmigung des kompletten Qualitätssicherungssystems (Anhang II der Richtlinie 93/42/EWG über Medizinprodukte), ausgestellt von G-MED France, NB #0459 am 14-Jan-2013 / Zertifikat Nr. 7550.*
 - List of harmonized standards applied for CE marking
Liste der harmonisierten Normen, die für die CE-Kennzeichnung angewendet wurden
1. **EN 60601-1:1990, A1:1993, A2:1995**, Medical Electrical Equipment Part 1: General Requirements for Safety
 2. **EN 60601-1-1:2001**, Medical Electrical Equipment Part 1-1: General Requirements for Safety Collateral Standard: Safety Requirements for Medical Electrical Systems
 3. **EN 60601-1-2:2007, AC:2010**, Medical Electrical Equipment Part 1-2: General Requirements for Safety - Collateral Standard: Electromagnetic Compatibility - Requirements and Tests
 4. **IEC 60601-1-4:1996, A1:1999**, Medical Electrical Equipment - Part 1-4: General Requirements for Safety - Collateral Standard: Programmable Electrical Medical Systems
 5. **EN 60601-2-25:1995, A1:1999**, Medical Electrical Equipment, Part 2: Particular Requirements for the Safety of Electrocardiographs
 6. **EN 60601-2-51:2003**, Medical Electrical Equipment, Part 2-51: Particular Requirements for Safety, including Essential Performance, of Recording and Analysis Single Channel and Multichannel Electrocardiographs
 7. **EN 60601-1-6:2010**, Medical Electrical Equipment, Part 1-6: General Requirements for Basic Safety and Essential Performance - Collateral Standard: Usability
 8. **EN 62366:2008**, Medical Devices – Application of Usability Engineering to Medical Devices
 9. **EN 62304:2006, AC:2008**, Software Life-Cycle Processes
 10. **EN 1041:2008, A1:2013**, Information Supplied by the Manufacturer of Medical Devices

Milwaukee, USA, 6-February-2015
Milwaukee, USA, 6.February.2015


Douglas Kertz
Regulatory Affairs Director

This EC declaration of conformity supersedes the previous declaration dated 6-February-2015
Diese EG-Konformitätserklärung ersetzt die vorherige Erklärung mit Datum vom 6-February-2015



ADDENDUM TO THE EC DECLARATION OF CONFORMITY dated 6-February-2015
ERGÄNZUNG ZUR KONFORMITÄTSERKLÄRUNG datiert 6.February.2015

| Product Description Produktbezeichnung | Catalog Designation Katalogbezeichnung |
|--|---|
| MAC600 ECG SYSTEM WITHOUT 12SL FEATURE | 2047228-001 |
| MAC600 ECG SYSTEM 12SL WITH EXTERNAL MEMORY | 2047228-002 |
| MAC600 ECG SYSTEM 12SL WITH EXTERNAL MEMORY COMMUNICATION | 2047228-003 |
| Accessories: / Options: Zubehör / Optionen: | |
| VALUE STARTER KIT – IEC | 2035819-001 |
| VALUE STARTER KIT – AHA | 2035819-002 |
| DISP VALUE STARTER KIT – IEC | 2040511-001 |
| DISP VALUE STARTER KIT – AHA | 2040514-001 |
| DISP STARTER KIT – IEC | 2040511-002 |
| DISP STARTER KIT – AHA | 2040514-002 |
| CLAMP LIMB IEC VALUE 4/SET BOXED W/LBL | 2029891-001 |
| CLAMP LIMB AHA VALUE 4/SET BOXED W/LBL | 2029894-001 |
| REUSABLE BULB ELECTR 6/SET BOXED W/LBL | 2029892-001 |

Milwaukee, USA, 6-February-2015
Milwaukee, USA, 6.February.2015


Douglas Kentz
Regulatory Affairs Director

ATTESTATION CE / EC CERTIFICATE

Approbation du Système Complet d'Assurance Qualité / Approval of full Quality Assurance System

ANNEXE II excluant le point 4 Directive 93/42/CEE relative aux dispositifs médicaux

ANNEX II excluding section 4 DIRECTIVE 93/42/EEC concerning medical devices

Pour les dispositifs de classe III, un certificat CE de conception est requis

For class III devices, a EC design certificate is required

Fabricant / Manufacturer

GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES, INC
8200 WEST TOWER AVENUE
MILWAUKEE, WISCONSIN 53223 UNITED STATES

Catégorie du(des) dispositif(s) / Device(s) category

Equipements de cardiologie et systèmes de surveillance de patients

Systèmes de surveillance clinique et systèmes de télémétrie médicale

Baie de cathétérisme et/ou d'électrophysiologie

Moniteurs cardiaques et leurs accessoires

Moniteurs de surveillance patient

Systèmes d'electrocardiographie et de surveillance de patients

Cardiology equipment and patient monitoring systems

Clinical Monitoring Systems and Medical Telemetry Systems

Catheterization and/or Electrophysiology lab System

Cardiology monitors and accessories

Patient monitors

Electrocardiographs and patient monitoring systems

Voir document complémentaire GMED / See GMED additional document

n° 38313

GMED atteste qu'à l'examen des résultats figurant dans le rapport référencé P602818, P601202, le système d'assurance qualité – pour la conception, la production et le contrôle final - des dispositifs médicaux énumérés ci-dessus est conforme aux exigences de l'annexe II excluant le point 4 de la Directive 93/42/CEE.

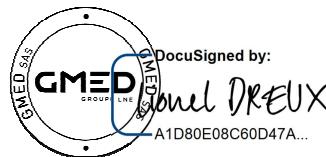
GMED certifies that, on the basis of the results contained in the file referenced P602818, P601202, the quality system - for design, manufacturing and final inspection - of medical devices listed here above complies with the requirements of the Directive 93/42/EEC, annex II excluding section 4.

La validité du présent certificat est soumise à une vérification périodique ou imprévue.

The validity of the certificate is subject to periodic or unexpected verification.

Début de validité / Effective date : June 8th, 2021 (included)

Valable jusqu'au / Expiry date : May 26th, 2024 (included)



Lionel DREUX
 Certification Director

Ce document complémentaire GMED n° 38313 rev. 1 atteste de la validité du certificat CE N° 7550 rev. 22 au regard des informations listées ci-dessous.

This GMED additional document n° 38313 rev. 1 attests to the validity of EC certificate N° 7550 rev. 22 with regard to the information listed below.

Fabricant / Manufacturer:

GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES, INC
8200 WEST TOWER AVENUE
MILWAUKEE, WISCONSIN 53223 UNITED STATES

Identification des dispositifs / Identification of devices

| Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i> | Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i> | Classe du DM <i>MD class</i> |
|--|--|---------------------------------|
| Patient monitor, Central unit | Central Station (CSCS) | IIb |
| Patient monitor module, multiparameter | Patient Data Module (PDM) | IIb |
| Patient monitor, multiparameter | B20 | IIb |
| Patient monitor, multiparameter | B40 | IIb |
| Patient Monitor, multiparameter | B105 | IIb |
| Patient Monitor, multiparameter | B125 | IIb |
| Patient Monitor, multiparameter | CARESCAPE ONE | IIb |
| Transportable physiologic monitoring system | V100 | IIb |
| Telemetry system, electrocardiograph | ApexPro Telemetry System | IIb |
| Clinical monitoring systems | Unity Network ID | IIb |
| Cardiac Catheterization monitoring system, Cardiac electrophysiology analysis system | MacLab | IIb |
| Cardiac Catheterization monitoring system, Cardiac electrophysiology analysis system | CardioLab | IIb |
| Cardiac Catheterization monitoring system, Cardiac electrophysiology analysis system | ComboLab | IIb |

GMED | **0459**

GMED - 38313 rev. 1
 Renouvellement du document n° 38313 rev. 0

DocuSigned by:
Lionel DREUX
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Lionel DREUX
 Certification Director

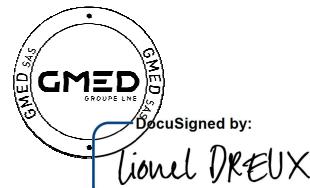
| Désignation du dispositif / Accessoires marqués CE <i>Device designation / CE marked accessories</i> | Réf commerciale du dispositif ou code article <i>Device commercial reference or article code</i> | Classe du DM MD class |
|--|--|--------------------------|
| Electrocardiograph, Holter analyzer | Mars | IIa |
| Electrocardiograph, Holter analyzer | Mars SP4 | IIa |
| Information system software, application program, cardiology | MUSE – SW Only | IIa |
| Information system software, application program, cardiology | CV Web | IIa |
| ECG Acquisition module | CAM 14V2 | IIa |
| ECG Acquisition module | CAM HD | IIa |
| Interpretive multichannel electrocardiograph | MAC 2000 | IIa |
| Interpretive multichannel electrocardiograph | MAC 600 | IIa |
| Interpretive multichannel electrocardiograph | MAC VU360 | IIa |
| Stress exercise monitoring system, cardiac | Case | IIa |
| Stress exercise monitoring system, cardiac | Cardiosoft / CS | IIa |
| Stress exercise monitoring system, cardiac | Cardiosoft / CS WIN8 | IIa |
| Electrocardiograph, Electrodes | KISS | IIa |

Site couvert et Activités / Location and Activities

| Site / Location | Activités / Activities |
|--|--|
| GE MEDICAL SYSTEMS INFORMATION TECHNOLOGIES, INC 8200 WEST TOWER AVENUE MILWAUKEE, WISCONSIN 53223 - USA | Siège social – responsable de la mise sur le marché Conception, fabrication et contrôle final Headquarters – legal manufacturer Design, manufacture and final control |

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 Renouvelle le document n° 38313 rev. 0



Lionel DREUX
Certification Director