

Product Overview

The MAC® 1200 digital, 12-lead electrocardiograph system offers comprehensive ECG solutions with practical features that meet the needs of hospitals, clinics, office-based practices and clinical trials. Its advanced algorithm capabilities, seamless connectivity to the MUSE® Cardiology Information System and easy-to-use features provide the highest level of quality and convenience users require.



GE MAC 1200 EKG Machine

Features

- **One-touch operation** for acquisition, analysis, storage and printing minimizes training.
- **Measurements, interpretation and memory** are available in any combination 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.
- **Portable, lightweight design** with carry handle allows the MAC 1200 to be easily taken wherever it's needed.
- **Full-size paper** accommodates multiple standard report formats. Optional archivist paper available for longer-term ECG storage.

Features Continued on Next Page

Note: The technical data given in this publication is for general information and is subject to change without notice. Actual configuration on the unit may vary. Contact our sales representatives for a complete list of details.



Seattle Technology
3915 152nd St NE
Marysville, WA 98271
1.800.827.3747
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Features Continued

- **Battery powered** for added versatility.
- **Optional CT (Clinical Trial) data guard feature** is designed to help guarantee the integrity of the digital ECG record, support facilitation of 21 CFR Part 11 compliance, enhance security and protect electronic records.
- **Marquette 12-Lead ECG analysis** – Our Marquette® 12SL™ ECG analysis program provides true, computer interpreted analysis of adult and pediatric populations. It is the most scientifically documented 12-lead ECG algorithm, and offers the greatest accuracy for a respectable second opinion.
- **Marquette 12SL with Gender Specific interpretation** applies unique criteria for evaluating the ST segment, QT segment and T-wave of the ECG waveform, improving sensitivity to acute MIs in women and enhancing diagnostic confidence among even occasional ECG readers.
- **Auto-arrhythmia detection** maximizes rhythm capabilities and minimizes paper consumption and over read time.
- **All digital, all the time** – MAC 1200's digitally stored and formatted data protects against data loss that can occur in analog format.
- **Bi-directional communication with MUSE**, the leader in electrocardiograph information systems, can help clinicians increase departmental productivity and reduce errors. MAC 1200 can instantly send and receive complete patient ECG data for immediate remote review or over read.
- **Cart-to-cart communication** is also featured, making your ECG data even more accessible. Electrocardiograms can immediately be transmitted or received from another GE electrocardiograph, thus speeding up diagnosis and enhancing decision-making support.

Specifications on Next Page

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Specifications

Dimensions and Weight

Height 3.7 in (94 mm)
Width 14.5 in (370 mm)
Depth 12.6 in (320 mm)
Weight 12.3 lb (5.6 kg) with battery

Power Supply

Ratings 95 to 240 VAC
Frequency 49 to 64 Hz
Battery Type NiCad, 18V, 1.3 Ah
Battery Charge Time 4 hours

Processing

Software Version 6.0
Acquisition & Analysis 12 leads –
simultaneously
Signal Input Type CF according to IEC
Digital Sampling 1000
samples/second/channel
Dynamic Range – Differential signals for
AC voltage ± 10 mV
– Superimposed DC voltage
(Polarization voltage) ± 600 mV
Resolution 5 μ V
Frequency Response 0.08 – 150 Hz

Processing Continued

Common Mode Rejection > 140dB
Input Impedance > 100 M Ω
Leakage Current < 10 μ V
Pacemaker Detection All leads, duration
0.1–2.5 ms, amplitude > 5 μ V
Sensitivity

Display

Type LCD 320 x 240 pixel, backlit,
Contrast adjustable
Displayed Data Selected Lead Group,
Operation Mode, Lead Check,
Heart Rate, AC Filter, Muscle Filter, ADS,
Gain,
Speed, Name, ID, 3 ECG Waveforms

Writer

Type Thermal array print head
Resolution Vertically 8 dots/mm,
horizontally 25 μ m at 25 mm/s
Paper Type Z-fold
Writer Speed 5, 25, 50 mm/s

Specifications Continued on Next Page

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Specifications

Keyboard

Type Membrane keypad with tactile feedback

Temperature (with battery)

Transport: -22° to 140°F (-30° to 60°C)

Operating: 50° to 104°F (+10° to 40°C)

Relative Humidity

Transport: 25-95%

Operating: 25-95%

Pressure

Transport: 500 to 1060 hPa

Operating: 700 to 1060 hPa

Certification

CE Marking

• Compliance with:

– CE Mark council directive, 93/42/ECC

– Radio interference directive, EW 55011

– Electromagnetic compatibility,

EN 60601-1-2

– Electrical shock, fire, and mechanical hazards, UL 2601-1 and CAN/USA

C22-2 601.1

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