



The **GE Marquette Mac 1200** is a compact 12-lead ECG system. The MAC 1200 can be configurable for standard electrocardiography without analysis or to include a 12-lead analysis. The system offers a full-page printout and a display showing waveform ECG reading. The MAC 1200 is an easy-to-use system that offers a one-touch operation for acquisition, analysis, storage, and printing. The GE system includes EKG/ECG electrodes, chart paper, and lead wire.

Features

- Full-size keyboard is easy to use and clean
- Large back lit, waveform LCD Display is contrast adjustable
- Integrated thermal printer for full-size paper reports
- Display Options: Elected lead groups, operation mode, lead check, heart rate, AC filter, muscle her, ADS, gain speed, and patient information
- Built-in rechargeable battery
- Anti Drift System (ADS) automatically compensates for the baseline fluctuations that are caused by polarization voltage fluctuations at the electrodes
- Baseline adjusts where the ECG presentation is shown with an averaged baseline
- Electrode monitoring where there is an audible and visual indication on the LCD of disconnected electrodes or fine break
- Automatic performance test upon power up, including verification of the signal path starting at the signal input



Specifications

Dimensions

Width: 14.5 in. (370 mm)
Height: 3.7 in. (94 mm)
Depth: 12.6 in. (320 mm)
Weight: 12.4 lb. (5.6 kg) with graphics display and battery.

Signal Processing

Acquisition: 12 leads - simultaneously.
Signal input: Type CF according to IEC.
Digital sampling rate: 1000 samples/second/channel.
Dynamic range: Differential signals for AC voltage \pm , 10mV Superimposed DC voltage (Polarization voltage) \pm 600mV.
Resolution: 5 μ V.
Frequency response: 0.04 - 150 Hz.
Common mode rejection: $>$ 140 dB.
Input impedance: $>$ 100 M ohms.
Leakage current: $<$ 10 μ A.
Pacemaker detection sensitivity: All leads, duration 0.1 - 2.5 ms, amplitude $>$ 5 mV.

Display

Type: LCD 320 x 240 pixel, backlit, Contrast adjustable.
Displayed data: Selected lead group, operation mode, lead check, heart rate, AC filter, muscle her, 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: 8.5 x 11 inch.
Writer speed: 5, 25, 50 mm/s.
Paper type: Z-fold.

Power Supply

Ratings: 10 - 120 V (0.32A) / 220 - 240 V (0.16A).
Frequency: 49 - 65 Hz.
Battery type: NiCad, 18V, 1.4 Ah.
Battery charge time: 4 hours.