

GE® MAC® 1200 ECG UNIT

- This system can be configured to meet the needs of hospitals, clinics and office-based practices.
- Allows access to ECG data gathered throughout a provider network, assuring high quality and continuity of care



Typical Manufacturer's Picture

Specifications

Pre-acquisition: Provides 10 seconds of instantaneous ECG acquisition and printing of any selected report format

Microcomputer-controlled 12-lead resting ECG System

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 $\pm 10\text{mV}$. Superimposed DC voltage (Polarization voltage) $\pm 600\text{mV}$

Resolution: 5 μV

Frequency response: 0.04 - 150 Hz

Common mode rejection: > 140 dB

Input impedance: > 100 M

Leakage current: < 10 μA

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 filter, ADS, gain, speed, name, ID, 3 ECG waveforms

WRITER

Type: Thermal array print head

Resolution: Vertically 8 dots/mm, horizontally 25 μm at 25 mm/s

Paper: 8.5 x 11 inch

Paper type: Z-fold

Writer speed: 5, 25, 50 mm/s

KEYBOARD

Type: Membrane keypad with tactile feedback / 46 keys

SPECIAL FUNCTIONS

Anti Drift System (ADS): Automatic compensation of baseline fluctuations caused by polarization voltage fluctuations at the electrodes

Baseline adjustment: ECG presentation on averaged baseline

Electrode monitoring: Audible and visual indication on the LCD of disconnected electrodes or line break. Each single electrode is monitored

Copy: In the automatic 12-lead mode, after ECG recording, copies of the ECG can be printed

Test: Automatic performance test upon power up, including verification of the signal path starting at the signal input

POWER SUPPLY

Ratings: 95-240 V (0.2-0.6A)

Frequency: 49-65 Hz

Battery type: NiCad, 18V, 1.3 Ah

Battery charge time: 4 hours

Physical Specifications

Width: 14.5 in (370 mm)

Height: 3.7 in (94 mm)

Depth: 12.6 in (320 mm)

Weight: 12.3 lb (5.6 kg) with battery

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