

The **GE MAC 5** EKG machine is a portable electrocardiograph that can capture 3, 6, or 12-lead electrocardiograms on adult and pediatric patients. It features interpretive analysis and the ability to connect to a network using a wired LAN connection or wireless WiFi access point. The MAC 5 comes in 3 different models: the Mac 5 A4 with an A4 printer, he MAC 5 A5 with an A5 printer, and the MAC 5 Lite with no printer.

Features

- 3, 6, and 12-lead ECG
- 8.9-inch touchscreen
- Gender and pediatric-specific interpretations
- Easy-to-clean design



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Specifications

Dimensions GE MAC 5 A4

Height: 12.4 in (31.5 cm) Width: 14.2 in (36 cm) Depth: 4.5 in (11.4 cm) Weight: 7.9 lb (3.6 kg)

GE MAC 5 A5

Height: 12.4 in (31.5 cm) Width: 10.2 in (26 cm) Depth: 4.3 in (10.8 cm) Weight: 6.6 lb (3 kg)

GE MAC 5 Lite

Height: 12.2 in (30.9 cm) Width: 10.2 in (26 cm) Depth: 3.4 in (8.4 cm) Weight: 4.4 lb (2 kg)

Display: 8.9 in (22.6 cm) diagonal graphics LED backlit full HD

Touchscreen: Projected Capacitative (PCAP) multipoint touch input that works

while wearing medical exam gloves

Resolution: 892 x 558 pixels, with waveform enhancement

Printer (A4 / A5 Models) Technology: Integrated thermal dot array

Writer Speed: 5, 12.5, 25, and 55 mm/s

Number of Traces: 3, 6, 12

Paper Type: Thermal Z-fold

Paper Capacity: Up to 150 sheets

Battery Type: Replaceable and rechargeable internal battery

Charge Time: Approx. 240 minutes

Capacity: Shall be able to acquire and print a single page 12-lead resting ECG

report every 15 minutes for a minimum of 3 hours

External USB Barcode Reader (Optional)

Symbologies: Code-128, PDF417, Code 39, Interleaved Code 2 of 5, and Data Matrix symbology for characters A-Z and 0-9 for all supported languages

Electrical Power Supply: AC mains or battery operation

Input Voltage: 100-240 VAC±10%

Input Current Range: A @100V to 625mA @240V

Input Frequency: 50/60 Hz ±3 Hz



Specifications

ECG Data Acquisition

Signal Input: Type: CF, Defibrillation-Proof; Defibrillation Protection: Per IEC

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Dynamic Range: AC Differential ± 10mV, DC offset ±600 mV

Common Mode Rejection: >125 dB (> 100dB with AC filter disabled)

Input Impedance: >50 MΩ @ 10 Hz, defibrillator protected

Patient Leakage Current: <10 µA

Detection of Pacemaker Pulse: Duration: 0.2 ms to 2.1 ms; Amplitude: 2 mV to

700 mV; Separation: 1 ms or greater

Page Annotation: Dedicated pace channel on display and printed reports

Pace Digital Sampling Rate: 75,000 samples/second per channel

ECG Data Processing

ECG Interpretation: Marquette 12SL ECG analysis Program for Adults and Pediatrics

Computerized Measurements: 12-lead analysis

Heart Rate Meter: 30 to 300 beats per minutes (BPM) with an accuracy of ±10% or 5 BPM, whichever is greater. Heart rates outside this range will not display

ECG Data Formats: GE Hi-Fidelity ECG, XML

Pre-acquisition: Provides 10 seconds of instantaneous ECG acquisition

Digital Rhythm: Up to 5 minutes of continuous rhythm storage (exportable as a PDF)

Storage: 300 records consisting of 10 second Resting ECG records and Digital Rhythm records on the devices internal memory

External Storage: USB-compliant flash drive supporting the FAT32 file system

Downsampled ECG Waveform: Bandwidth: 0.04 to 300 Hz; Sample rate: 2 ksps;

Resolution: 1.22 µV

Analyzed ECG Waveform: Bandwidth: 0.04, 0.56 ZPD to 300 Hz; Sample Rate: 2

skps; Resolution: 1.22 μV

Additional Report Filters: 20 Hz, 40Hz, 100 Hz, 150 Hz, 300Hz Channels: Up to 12 channels, skew between channels: <100 µS

