



The **GE Mac 2000 EKG** is a 12 -channel electrocardiograph. The MAC 2000 machine can hold up to 200 ECG reading internally, with features to export the reading to PDFs and XML along with wireless capabilities to connect within the healthcare facility. The GE ECG one touch operation that can give a reading in up to 10 seconds. With a 7 in color display

## Features

- A4 or US letter thermal paper size work
- 7 in easy to read color display
- Multiple connections and configurations to export the data
- can storage up to 200 ECG reading
- Marquette 12L ECG analysis program



# Specifications

## Dimensions

**Height:** 7.8 in (20 cm)  
**Width:** 15 in (39 cm)  
**Depth:** 12.9 in (33 cm)  
**Weight:** 11 lbs (5 kg)

## Display

**Display Type:** 7 in. color TFT display with support of minimum 32K colors  
**Display Resolution:** WVGA resolution – 800 x 480  
**Display Data:** Heart rate, patient ID, clock, battery power indicator, waveforms, lead labels, speed, gain and filter settings, warning messages, prompts, help messages, and 12-lead display

## Processing

**ECG Interpretation:** Marquette 12SL ECG Analysis Program for Adults and Pediatrics  
**Computerized Measurements:** 12-lead analysis  
**ECG Analysis Frequency:** 500 or 1000 samples/second/channel  
**Digital Sampling Rate:** 16000 samples/second/channel for normal data acquisition  
**Pace Sampling Rate:** 75K samples/second/channel  
**ECG On-screen Preview:** On-screen preview of acquired 10 second ECG waveform  
**Acquisition Mode:** Provides 10 seconds of instantaneous ECG acquisition  
**Dynamic Range AC:** Differential  $\pm 5$  mV, DC offset  $\pm 300$  mV  
**Resolution:** 4.88  $\mu$ V +/-1% per LSB @ 500 SPS  
**Frequency Range:** 0.04 to 150 Hz  
**Low Cut Off Frequency:** 0.04 Hz (ADS off), 0.56 Hz (ADS On)  
**High Cut Off Frequency:** Configurable at 20 Hz, 40 Hz, 100 Hz or 150 Hz  
**Common Mode Rejection:** >135 dB (with 50/60 Hz filter ON)  
**Input Impedance:** >10M $\Omega$  @ 10 Hz  
**Patient Leakage:** <10 $\mu$ A (Normal Condition), <50 $\mu$ A (Single Fault Condition)  
**Lead Detection:** All disconnected lead detection except RL & RA  
**Heart Rate Meter:** 30 to 300 BPM  
**Operating System:** Microsoft® Windows® CE 6.0  
**Start-up Time:** Less than 30 seconds

## Storage

**ECG Storage Format:** XML format, Hilltop format, PDF storage format  
**Storage Capacity:** Internal storage of 100 or 200 ECGs



# Specifications

## Writer

- Writer Technology:** Thermal dot array
- Writer Speed:** 5, 12.5, 25, and 50 mm/s
- Number of Traces:** Up to 12 ECG traces
- Writer Sensitivity/Gain:** 2.5, 5, 10, 20, 40 mm/mV
- Writer Speed Accuracy:** 5, 12.5 mm/s @  $\pm 5\%$  and 25, 50 mm/s @  $\pm 2\%$
- Writer Amplitude Accuracy:**  $\pm 5\%$
- Writer Resolution:** Horizontal 40 dots/mm @ 25 mm/s, 8 dots/mm vertical
- Paper Type:** Z-fold Thermal Paper with pre-printed grid and perforation with Queue mark or Queue hole
- Paper Size:** 215 mm x 280 mm (letter) and 210 mm x 295 mm (A4), and 214.2 mm x 279.4 mm (Modified Letter)

## Operating Modes

- Resting ECG Mode:** Records and prints 12-lead resting ECGs with 10 seconds duration as a standard feature
- Arrhythmia Mode:** Continuously monitors ECG and prints report when arrhythmia events of the user-selected class occur
- Exercise Mode:** Exercise mode for exercise stress testing
- RR Analysis Mode:** RR analysis for RR intervals analysis
- Hookup Advisor:** Provides visual indication of signal quality
- Multi-language Support:** Supports 19 languages in User Interface and 31 languages in User Manual
- Order Manager:** Provides an interface for managing orders
- ADT Query:** Provides an interface for querying patient demographics
- File Manager:** Provides an interface for managing ECG Records
- System Setup:** Provides an interface for managing Device Configuration

## Communication

- Internal modem, Secured Digital card, Serial, LAN, and WIFI communicates outbound to MUSE and CardioSoft
- Internal modem, LAN, and WIFI communicates inbound to MUSE
- RS232 Serial Cable:** ECG Transmission with A5 & CSI Protocol
- Internal Modem:** ECG Transmission with CSI Protocol
- Supported MUSE/CardioSoft:** Compatible with MUSE V7.1.1 and MUSE 8.0.1/CardioSoft V6.51, CardioSoft V6.61, and CardioSoft V6.71
- RJ45 Wired LAN:** ECG Transmission with CSI, DCP Protocol and Shared Directory
- Wireless LAN (WIFI):** ECG Transmission with CSI, DCP Protocol and Shared Directory

