EKG Machine

GE MAC 2000

ABOUT

The **GE Mac 2000** EKG is a 12-channel electrocardiograph. The MAC 2000 machine can hold up to 200 ECG readings 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 can give a reading in about 10 seconds. The MAC 2000 has a 7-inch 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 store up to 200 ECG reading

Marquette 12L ECG analysis program

GE MAC 2000

SPECIFICATIONS

DIMENSIONS

Height: 7.8 in (20 cm)

Width: 15 in (39 cm)

Depth: 12.9 in (33 cm)

Weight: 11 lb (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

STORAGE

ECG Storage Format: XML format, Hilltop format, PDF storage format

Storage Capacity: Internal storage of 100 or 200 ECGs

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 @ ±5% and 25, 50 mm/s @ ±2%

Writer Amplitude Accuracy: ±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)

PROCESSING POWER

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 ±5 mV, DC offset ±300 mV

Resolution: 4.88 µV +/-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: >10MO @ 10 Hz

Patient Leakage: <10µA (Normal Condition), <50µA (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

SPECIFICATIONS

OPERATING MODES AND ADDITIONAL FEATURES

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 REVIEW

Internal modem, Secured Digital card, Serial, LAN, and WIFI communicate outbound to MUSE and CardioSoft

Internal modem, LAN, and WIFI communicate 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