



The GE Mac 3500 ECG is one of the finest in GE's line of resting electrocardiograph systems. The GE Mac 3500 offers users the best technology on a 12 lead ECG analysis system. GE Mac 3500 is among the most user-friendly electrocardiographs available, allowing users to focus less on operating the system and more on your patients. In addition, the GE Mac 3500 is an affordable electrocardiograph! Other features and benefits of the Mac 3500 include:

Features

- Easy to read color screen displays 12 leads at a time.
- Marquette 12SL ECG simultaneous 12-lead ECG analysis program for adults and pediatrics.
- 12SL with Gender-Specific interpretation makes detecting AMI in women easier.
- Marquette Hook-up Advisor signal quality analysis program reduces poor waveform quality during ECG recording.



Specifications

Dimensions

Height: Approximately 7.6 in (19.3 cm)
Width: Approximately 15.6 in (39.6 cm)
Depth: Approximately 15.0 in (38.1 cm)
Weight: Approximately 7.0 kg (15.5 lbs), including battery, without paper

Display

Display type: 6.5 in (165 mm) diagonal graphics backlit AM LCD (color optional)
Display resolution: 640 x 480 pixels with waveform enhancement
Display data: Heart rate, patient name, ID, clock, waveforms, lead labels, speed, gain and filter settings, warning messages, prompts, and help messages. 6 leads maximum.

Electrical Power

Power supply: AC or battery operation
Voltage: 100 to 240 VAC +10, -15%
Current: 0.5A @ 115 VAC, typical; 0.3A @ 240 VAC, typical
Frequency: 50 to 60 Hz \pm 3Hz
Battery Type: User replaceable, 18V @ 3.5 AH \pm 10% rechargeable NiMH
Battery Capacity: 100 single page reports, (typical) or 6 hours continuous display (without printing)
Battery Charge Time: Approximately 4.5 hours from total discharge (with display off)

Writer

Writer Technology: Thermal dot array
Writer Speeds: 5, 12.5, 25, & 50 mm/s (same as displayed)
Number of Traces: 3, 6, or 12 user selectable (same as displayed)
Writer Sensitivity/Gain: 2.5, 5, 10, 20, 10/5 (split calibration) mm/mV (same as displayed)
Writer Speed Accuracy: \pm 10% at 5 & 12.5 mm/s; \pm 2% at 25 & 50 mm/s
Writer Amplitude Accuracy: \pm 5%
Writer Resolution: Horizontal 1000 dpi @ 25 mm/s, 200 dpi vertical
Paper Type: Thermal, Z-fold, perforated, fan fold, 300 sheets/pack
Paper Size: A Size: 8.45 in x 11 in, (214.63 mm x 280 mm); A4 Size: 8.27 in x 11.7 in (210 mm x 297.5 mm)

Processing

ECG Interpretation: Marquette 12SL ECG Analysis Program for Adults and Pediatrics
Computerized Measurements: 12-lead analysis
ECG Analysis Frequency: 500 samples/second (sps)
ECG Storage: 50 ECGs in internal memory
External Archiving: Optional secure digital card for 50 ECGs max; Supports 64 MB to 1 GB SD cards
Digital Sampling Rate: 4,000 samples/second/channel
Pre-acquisition: Provides 10 seconds of instantaneous ECG acquisition
Dynamic Range: AC Differential \pm 5mV, DC offset \pm 300 mV
Resolution: 4.88 μ V/LSB @ 250 sps; 4.88 μ V/LSB @ 500 sps
Frequency Response: [-3] dB @ 0.01 to 150 Hz
Common Mode Rejection: >140 dB (123 dB with AC filter disabled)