



The **GE Mac 3500** is a resting electrocardiograph system. The MAC 3500 offers users the test technology on a 12-lead ECG analysis system. The GE 3500 is one of the most user-friendly electrocardiographs available, allowing the users to focus less on operating the system and more on the patient. The system offers a high-quality color display for reading ECG waveforms and 12L with gender-Specific interpretation, making it easier to detect AMI (Acute Myocardial Infraction) in women easier.

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 lb), 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)