

# GE Healthcare MAC 5500 HD Specifications

## Base Dimensions (ECG)

- Height: 3.7" H X 15" W X 13.75" D (screen lowered)
- Weight: 15 pounds

## LCD Display Screen

- 10.4" backlit color
- Resolution: 640 x 480 pixels \ waveform enhancement
- Data Displayed: heart rate, patient name and ID, time, waveforms, lead labeling, speed, gain and filter settings, alerts, prompts, and help messages

## Keyboard

- Sealed protective and easily cleaned soft touch elastomer with function keys, alphanumeric keys, writer controls and trim controls

## Power

- Power Supply: AC or battery operation
- Voltage: 100 to 240 VAC
- Current: 0.5A @ 115 VAC, 0.3A @ 240 VAC, typical, 0.85A max
- Frequency: 50 to 60 Hz
- Battery Type: User replaceable, 18V @ 3.5 AH  $\pm$ 10% rechargeable NiMH
- Battery Capacity: 100 single page reports, (typical) or six hours continuous display (without printing)
- Battery Charge Time: Approximately 4.5 hours from total discharge (with display off)

## ECG Processing

- ECG Interpretation: Marquette\* 12SL\* ECG Analysis Program for Adults and Pediatrics
- Computerized Measurements: Up to 15-lead analysis includes measurements of with user-selectable additional 3 leads and vector functionality
- Optional: Hi-Res Late Potential Analysis and P-Wave Signal: Averaged ECG
- ECG Analysis Frequency: 500 samples/second (sps)
- ECG Storage: 200 ECGs in memory
- External Archiving: secure digital card
- Digital Sampling Rate: 16,000 samples/second/channel (DSR)
- Pre-Acquisition: 10 seconds of instantaneous ECG acquisition

- Dynamic Range: AC Differential  $\pm 5\text{mV}$ , DC offset  $\pm 300\text{ mV}$
- Resolution:  $4.88\ \mu\text{V/LSB}$  @ 250 sps,  $4.88\ \mu\text{V/LSB}$  @ 500 sps
- Frequency Response:  $-3\ \text{dB}$  at 0.01 to 150 Hz
- Common Mode Rejection:  $>140\ \text{dB}$  ( $123\ \text{dB}$  with AC filter disabled)
- Input Impedance:  $>10\text{M}\Omega$  @ 10 Hz, defibrillator protected
- Patient Leakage:  $<10\ \mu\text{A}$
- Pace Detection: Meets or exceeds ANSI/AAMI EC11-1991 standards
- Pace Digital Sampling Rate: 75,000 samples / second / channel
- Pace Pulse Width: as low as 0.2 ms in duration
- Pace Pulse Amplitude: as low as 0.5 mV in amplitude
- Acquisition Functions: disconnected lead detection, electrode impedance, excessive AC noise, baseline wander, and muscle tremor messages
- Heart Rate: 30 to 300 BPM  $\pm 10\%$  or 5 BPM, whichever is greater. Heart rates outside this range will not be displayed

### Thermal Dot Array Printer

- Writer Speeds: 5, 12.5, 25, and 50 mm/s
- Tracing: 3, 6, 12, or 15 user selectable
- Sensitivity/Gain: 2.5, 5, 10, 20, 10/5 (split calibration) mm/mV
- Resolution: Horizontal 1000 dpi @ 25 mm/s, 200 dpi vertical
- Paper: Thermal, Z-fold, perforated, fan fold, 300 sheets/pack, 8.5" X 11", (214.6