GE® MAC® 5500 ECG UNIT

Features:

- Ethernet and wireless networking option saves time, reduces errors and maximizes charge capture
- Hook-up advisor minimizes editing time and repeat ECG acquisitions
- Single button operation for printing, storage and transmission
- Bar code scanner helps reduce clerical errors
- 12SL ECG Analysis program with Gender-Specific software
- 15-Lead ECG Analysis
- Optional risk stratification tools such as ACI-TIPI, Late Potential P-Wave Signal Averaging
- Optional stress testing capabilities

Specifications

PROCESSING:

Instrument type: 15 lead (14 channel) microprocessor-augmented, automatic electrocardiograph
ECG analysis frequency: 500 samples/second (sps)
ECG storage: 200 (maximum) on internal, non-volatile memory. Facility to archive ECG records on removable media card (SD card)
Digital sampling rate: 4000 samples/second/channel
Analysis: Pediatric and Vectorcardiography. Optional: 12SL analysis, Hi-Res and PHI-Res late potential analysis
Pre-acquisition: Provides 10 seconds of instantaneous ECG acquisition
Dynamic range: AC differential: ±10 mV DC offset: ±320 mV
Resolution: 4.88 µV/LSB @ 250 sps, 1.22µV/LSB @ 500 sps
Frequency response: -3 dB @ 0.01 to 150 Hz
Common mode rejection: >140 dB (123 dB with AC filter disabled)
Input impedance: >10MΩ@ 10 Hz, defibrillator protected
Patient leakage: <10 µA
Pace detect: Orthogonal LA, LL and V6; 750 µV @ 50 µs
Special acquisition functions: Disconnected lead detection, electrode impedance, excessive AC noise, baseline wander and muscle tremor messages
Communication: MAC and MUSE system compatible RS-232. Optional: Modem, LAN, FAX, and wireless transmission, remote retrieval (remote query)
DISPLAY
Display type: 264 mm (10.4 in) diagonal graphics backlit AM LCD
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

WRITER
Writer technology: Thermal dot array
Writer speeds: 5, 12.5, 25 & 50 mm/s (same as display)
Number of traces 3, 6, 12 or 15, user selectable (same as display)
Writer sensitivity/gain: 2.5, 5, 10, 20, 10/5 (split calibration) mm/mV (same as display)
Writer speed accuracy: ±2%
Writer amplitude accuracy: ±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: 215.9 mm x 27604 mm (8.5 in x 11 in) fanfold

KEYBOARD
Type: Sealed elastomer with soft function keys, alphanumeric keys, writer controls and TrimPad cursor controls

ELECTRICAL
Power supply: AC or battery operation
Voltage: 100 to 240 VAC +10, -15%
Current: 0.5A @ 115 VAC, 0.3 A @ 240 VAC, typical
Frequency: 50 to 60 Hz ±10%
Battery type: User replaceable, 18V @ 3.5 AH ± 15%, 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)

VECTORCARDIOGRAPHY
Report formats: vector loops of component vectors (P, QRS, ST-T)
Sensitivity: 20, 40, 80, 160 mm/mV
Time resolution: 2 ms

PHYSICAL SPECIFICATIONS
Height: 9.4 cm (3.7 in)* with display closed
Width: 38.1 cm (15.0 in)*
Depth: 35.1 cm (13.8 in)*
Weight: Approximately 6.8 kg (15 lb)* including battery without paper
*without cart

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