

MEMTEC Corporation – MobileECG System PC Based EKG Machine

PROVIDING SOLUTIONS

Memtec has proven itself as a top designer and manufacturer of innovative data acquisition storage solutions and specialty data recording products for medical, military, aerospace, and industrial markets worldwide.

EXPERTISE YOU CAN TRUST

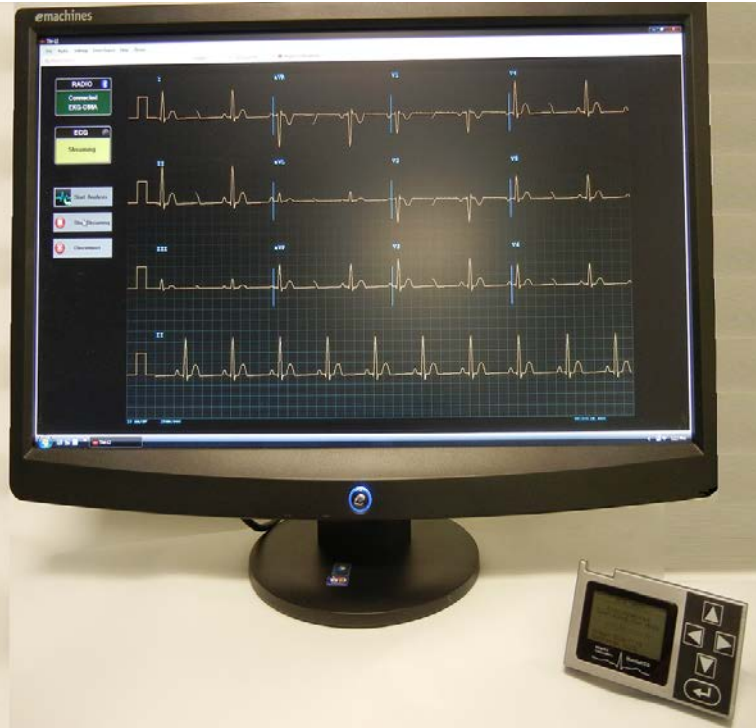
Memtec has provided customer satisfaction in designing, manufacturing, and compliance management since 1962.

THE LATEST TECHNOLOGY

Memtec prides itself on providing creative solutions and staying abreast of all that technology has to offer, from the slimmest power sources to the best in wireless technology. Our many patents are testimony to our creativity.

PROVIDING QUALITY

Memtec prides itself upon the zero defect approach to manufacturing. Using charting techniques, empowering the employees and rigid testing have allowed Memtec to produce high quality products without increasing costs.



- **Wireless technology** allows more patient comfort which results in a higher quality ECG signal and less artifact
- **Uses Bluetooth wireless protocol, designed specifically for patient monitoring applications**
- **Wireless radio gets up to 100 feet of signal range**
- **Fewer cables means freedom of movement and a safer environment**
- **“Holter-size” acquisition device weighs only 4.2 oz. with batteries**
- **No bulky carts to store or push around**

THE MobileECG SYSTEM FEATURES WIRELESS TECHNOLOGY, CLINICAL RELIABILITY, AND LAPTOP PORTABILITY

The MobileECG System is a PC Based EKG machine that wirelessly streams ECG data from the patient to your Laptop, Surface Pro Tablet, or personal computer. The process is simple: perform the patient hookup, input patient data into the software, and then start the analysis. Our system uses the Glasgow 12-Lead algorithm to output fully interpretive ECG statements. Reports include Global Measurements, Individual Lead Measurements and Diagnostic Interpretation. All the heavy lifting is done for you, just review and EMAIL or print.

Product Includes: Model 950-12LR Wireless acquisition module, CardioVu Interpretation Software with Glasgow Analysis Program, USB Bluetooth Dongle, 10-Lead Patient Cable, 10pc Sure-Lock electrode clips, and Carrying Case.

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SPECIFICATIONS: MEMTEC MobileECG System PC Based EKG Machine

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FUNCTIONAL - ACQUISITION MODULE

| | |
|----------------------------------|--|
| Acquisition module type: | Digital |
| Channels: | User-selectable 1, 2, 3-channel or 12 Lead recordings |
| Patient cable: | 10-wire (12 lead) DIN Connectors (optional 3, 5, or 7 wire available) |
| Resolution: | 12 bit resolution with 6000 Hz over-sampling per channel |
| Power source: | Two "AA" alkaline or Lithium battery with reverse polarity protection |
| Battery life: | Up to 1 month normal use (40 hrs continuous use) |
| Common mode rejection: | 60 db minimum, 1 volt peak-to-peak, 60 Hz common mode signal |
| Frequency response: | .05 to 1000 Hz (-3 db) |
| Data integrity: | Unique device signature and CRC-16 on every frame sent; individual lead framing format ensures any wireless packet loss will not affect all leads simultaneously |
| Signal verification: | Both on MobileECG acquisition module and live stream CardioVu software provides lead placement and signal quality verification during patient hook-up |
| Display: | Monochrome 2.4" LCD |
| Pacemaker detection: | Concurrent pacemaker detection on all channels |
| Defibrillator protection: | Yes |
| Radio: | Bluetooth wireless Protocol, 100'line-of-sight |

ENVIRONMENTAL

| | |
|---------------------------|--------------------------------------|
| Temperature range: | +15°C to +35°C |
| Humidity: | Operating: 30% to 70% non-condensing |

PHYSICAL

| | |
|--------------------|--|
| Dimensions: | 3.35" L x 2.4" W x 0.71" D |
| Weight: | 3.0 oz. with battery |
| Case: | Molded, high-impact, textured plastic enclosure |
| Warranty: | 18 months on acquisition module and 1 year cable |

GET RELIABLE AND ACCURATE DIAGNOSIS FROM THE GLASGOW ANALYSIS PROGRAM

- Over 30 years of development in a clinical environment and continues to be enhanced
- Is based on careful scientific research which has been the subject of numerous publications describing unique approaches to ECG analysis
- Provides automated interpretation of ECGs
- Can be used in pediatric as well as adult ECG interpretation
- Provides automatic centralized Minnesota coding (the internationally agreed standard for epidemiological studies and clinical trials)
- Designed with an emphasis toward high specificity and high sensitivity for ECG abnormalities

Glasgow has many unique features including:

- Use of clinical diagnosis (optional)
- Use of drug therapy (optional)
- Extensive use of age and sex based criteria
- Use of race based criteria
- Use of longer diagnostic statements with reasons for diagnosis
- Meets all the IEC 60601-2-51 requirements
- Displays pacer spikes on screen
- Produces over 900 clinical statements

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