

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

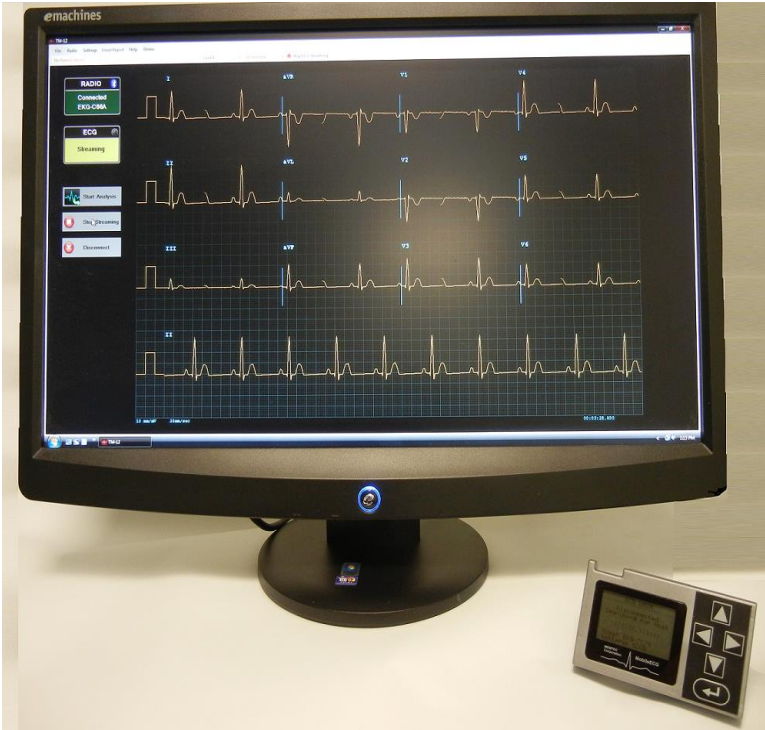
Memtec has provided customer satisfaction in designing, manufacturing, and compliance management since 1962.

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.

Product Includes: Model 950-12LR Wireless Acquisition Module, CardioVu, 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 FDA approved 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, up to 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

- 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
- 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
- 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 pacemaker spikes on screen