

MEMTEC Corporation - MULTI-FUNCTION ECG DEVICE Model 950-12LR

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.



KEY FEATURES

- Easy to use multi-function device
- Use as a 12lead/ 3CH Holter, Brief recorder, or as a Wireless EKG machine
- Device meets both EC11 and EC38
- Up to 100' wireless in PC Based resting EKG mode
- Patient ID Stamping
- USB Download or Removable Media
- LCD For Real Time
- ECG Visual Hook-Ups
- Pacemaker Spike Detection
- High Reliability
- Easy to use

The Memtec Model 950-12LR Digital multi-function device provides true 12-lead, high-resolution, clinical/research-grade recordings, and wireless transmission in the 2.4 Ghz ISM band for EKG machine function. The device has a resolution of 12 bits, with data stored uncompressed on a removable SD/SDHC storage card. The data can be transmitted in real-time to a PC for use as an PC Based EKG machine. . In Brief Mode, the Model 950-3CH-X can collect and store multiple patients ECG with 6-42 min strips for later interpretation. Data integrity is provided through a unique patent-pending technique that includes date, time, and patient ID stamps along with a CRC-16 check on the recording every 2 minutes, ensuring usable recordings while preventing patient data mix-ups. A large LCD provides real-time patient ECG signals, confirming lead placement during patient hook-up. In Holter mode, the unit provides up to 48 hours of continuous operation in 12Lead mode using one AA alkaline or 120 hours in 3 channel mode using a Lithium battery.

Interpretation algorithm: University of Glasgow algorithm, under continuous development since the 1970s, bases its analysis on five clinically significant criteria: gender, age, race, medication and classification.

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SPECIFICATIONS: MEMTEC MODEL 950-12LR MULTI-FUNCTION ECG DEVICE

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FUNCTIONAL - ACQUISITION MODULE/ Holter Monitor

Acquisition module type:	Digital
Channels:	User-selectable 1, 2, 3-channel or 12 Lead recordings
Patient cable:	10-wire (12 lead) DIN (optional 3-wire, 5-wire available)
Resolution:	12 bit resolution with 6000 Hz over-sampling per channel
Power source:	One "AA" alkaline or Lithium battery with reverse polarity protection
Battery life:	Up to 12 hrs continuous use PC Based EKG mode or 48-120 Hours in Holter Mode
Common mode rejection:	60 db minimum, 1 volt peak-to-peak, 60 Hz common mode signal
Frequency response:	.05 to 60 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 the acquisition Model 950-12LR and 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:	All channels protected to 360 Joules
Radio:	Bluetooth-compliant radio operating in the 2.4 GHz ISM band with up to 100' line-of-sight range

FUNCTIONAL - CardioVu Software

Gain settings:	5, 10, 20 mm/mV
Operating System:	Windows XP, Vista, or Windows 7
Computer:	Laptop, notebook, tablet, or desktop (not included)
Interpretation algorithm:	University of Glasgow
Radio:	USB Dongle / Bluetooth-compliant radio operating in the 2.4 GHz ISM band with up to 100' line-of-sight range
Signal verification:	Real-time on computer

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:	3.2 oz. with battery
Case:	Molded, high-impact, textured plastic enclosure
Warranty:	18 months on module and 1 year cable

MADE IN USA

Kit includes: MobileECG module, CardioVu interpretation software, USB key, 12 Lead Patient Cable, 10 pc Sure-Lock electrode clips, carrying case, and user manual on CD.

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