

## Memtec Model 950-12L 12Lead Digital Holter Recorder

### PROVIDING SOLUTIONS

Memtec has proven itself as a top OEM 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

- Digital State-of-the-Art Recorder
- High Resolution
- True 12-Lead ECG
- User Selectable 3-Channel or 12-Lead Modes
- Single Battery Operation
- Up to 120 Hour Recording
- Patient ID Stamping
- USB 3.0 Download or Removable SD/SDHC Storage Card
- LCD For Real Time ECG Visual Hook-Ups
- Pacemaker Spike Detection
- High Reliability
- Easy to use

The Memtec Model 950-12L Digital Holter Recorder provides True 12-Lead High Resolution Clinical/Research grade recordings. The device has a resolution of 12-bits with a fundamental sampling frequency of 6K samples per second (SPS) per channel with selectable storage rates of 128, 256, 512, or 1024 SPS and is stored uncompressed on a removable SD or SDHC Storage Card. The data can be downloaded via USB 3.0 or removable of SD Card. Data integrity is provided by including Patient ID/Date/Time Stamps and a CRC-16 check on the recording every 2 minutes. This unique patent-pending technique ensures usable recordings while preventing the potential mix-up of one patient's data with that of another patient. The large LCD provides real time patient ECG signals enabling lead placement confirmation during patient hook-up. The Model 950-12L provides up to 48 hours of continuous operation using one "AA" alkaline in 12Lead mode or up to 120 hours using a Lithium battery in 3Channel Mode.

**MEMTEC Corporation 68 Stiles Road Unit D, Salem, NH 03079  
(603) 893-8080 - Fax (603) 893-8699 - sales@memteccorp.com**

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## SPECIFICATIONS: MEMTEC MODEL 950-12L 12Lead Digital HOLTER RECORDER

### Model 950-12L Technical Specifications

#### FUNCTIONAL

<b>Recorder Type:</b>	Digital
<b>Channels:</b>	User Selectable 3-Channel or 8-Channel Recording
<b>Recording:</b>	Full Disclosure (No Data Compression)
<b>Resolution:</b>	Selectable 8, 10, or 12 bits per channel with 6K SPS over-sampling per channel
<b>Storage:</b>	SD or SDHC storage card (up to 8GB, removable)
<b>Sample Storage Rate:</b>	Selectable 128, 256, 512, or 1024 samples per second
<b>Recording Time:</b>	Up to 48 hours in 12Lead mode / In 3 Channel Mode: up to 120 hours
<b>Common Mode Rejection:</b>	60 db min., 1 volt peak-to-peak, 60 Hz common mode signal
<b>Frequency Response:</b>	0.05 to 60 Hz. (-3 db)
<b>Data Integrity:</b>	Patient ID, date, and time stamped records with CRC-16 in 2 min. intervals (patent pending)
<b>Display:</b>	Large monochrome 119 x 73 LCD display
<b>Patient Cable:</b>	12 Lead Patient Cable (optional 3 channel - 5 or 7 lead available)
<b>Signal Verification:</b>	LCD provides lead placement verification at hook-up
<b>Patient ID:</b>	Keypad input, stamped on recording media
<b>Pacemaker Detection:</b>	Yes
<b>Clock:</b>	Real time clock with date/time
<b>Download:</b>	USB 3.0 or removable storage card
<b>Power Source:</b>	One "AA" alkaline, lithium, or rechargeable NiMH battery with reverse polarity protection and auto shutdown when battery is exhausted (protecting against battery leakage)

#### ENVIRONMENTAL

<b>Temperature Range:</b>	+5°C to +45°C
<b>Humidity:</b>	Operating: 10% to 95% Non-condensing

#### PHYSICAL

<b>Dimensions:</b>	3.35" L X 2.4" W X .71" D
<b>Weight:</b>	3.1 oz. with battery and SD card
<b>Case:</b>	Molded, High-Impact, Textured Plastic Enclosure
<b>Warranty:</b>	12 Months

MADE IN USA

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