



GE Medical Systems
Information Technologies

SEER MC AMBULATORY ECG RECORDER WITH 12SL ANALYSIS

Feature Highlights

- Solid-state technology for reliability and durability – no moving parts to wear out.
- Acquisition and analysis of 24 or 48 hour two or three channel diagnostic ECG for complete full disclosure.
- Programmable sequential 12 lead acquisition with 12SL™ analysis.
- Variable size removable data card storage for the elimination of cassette tapes.
- Small light-weight design for patient comfort.
- Separate pacemaker channels for accurate pace detection.
- LCD display provides setup guidance and quality check including low battery message, signal amplitude and impedance



The SEER MC digital recorder incorporates GE Medical Systems's distinguished history in signal processing, micro-electronics and ambulatory monitoring. Designed for durability, the SEER MC recorder is solid state. That means no moving parts to wear out or malfunction.

Offering both data card technology and RISC processing, SEER MC sets the highest standard in the acquisition of ambulatory ECG; by both acquiring and analyzing ECG simultaneously and in turn storing it on a reusable medium.

The SEER MC recorder will acquire and analyze 2 or 3 channels of diagnostic quality full disclosure ECG for up to 48 hours. SEER MC will also acquire 12 leads of ECG sequentially. This may be programmed up to one 12 lead every 15 seconds. All 12 leads are interpreted utilizing the Marquette 12SL analysis. Holter and 12 lead may be combined for maximum ECG interrogation.

ECG storage is accommodated via removable data cards. Unlike tape, the cards may be reused thousands of times, translating into lower supply cost. Additionally, the SEER MC accepts several sizes of data cards for economical cost of operation.

The SEER MC recorder has dedicated analog circuitry for pacemaker spike detection. It also offers an LCD for on-line measure of both signal gain and impedance.

An easy to find patient event button and durable carrying case make the SEER MC ideal for patient compliance. SEER MC designed from experience built with innovation. Small but mighty.



SEER MC – AMBULATORY ECG RECORDER WITH 12SL ANALYSIS

Playback Options

For Holter: MARS Unity workstation requires an acquisition unit
For 12 lead: QT Guard, ST Guard®, MUSE CV®
– card reader required

General Specifications

Processor

32 bit RISC ARM, Self Diagnostics; Digital sampling: 125 sps Holter; 250 sps 12 lead;
A/D conversion: Holter 10 μ V/LSB; 12 lead 5 μ V/LSB, 12 bit conversion, Digital storage: 9.77 μ V/LSB;
Dynamic range: ± 5 mV;
Frequency response: Highpass: 0.05 Hz or 0.50 Hz, Lowpass: 35 Hz or 55 Hz; 100 Hz;
Pace pulse frequency response: 3.0-15.0 kHz; Input impedance: 10 M Ω
On board real time clock/calendar

Recording Time

4 MByte card: 12 leads up to 720; 40 MByte card: 12 leads up to 7200;
8, 20, 40 MByte card: For combined Holter and 12 lead
8 MByte card for Holter: 2 channel 24 hours; 20 MByte card for Holter: 2-3 channel 24-48 hours

Algorithms

EK Pro analysis for Holter; 12SL analysis for 12 lead

Physical Specifications

Height: 12.7 cm (5.0 in), Width: 8.89 cm (3.5 in), Depth: 3.05 cm (1.2 in)
Weight: 200 grams (7.1 oz) without batteries/card, 317 grams (11.2 oz) with batteries/card

Environmental Specifications

Power requirements: 4 AA Alkaline up to 48 hour; Rechargeable batteries: Ni-MH, 4 AA up to 24 hours
Operating position: Any orientation

Operating conditions

Temperature: 0°C to 60°C (32°F to 140° F); Relative humidity: 5% to 95% (noncondensing)

Storage conditions

Temperature: -10°C to 70°C (14°F to 158°F); Relative humidity: 5% to 95% (noncondensing)
Water resistant

Certification

CE marking indicating compliance with the Medical Device Directive 93/42/EEC

Due to continual product innovation, GE Medical Systems *Information Technologies* designs and specifications are subject to change without notice.



GE Medical Systems
Information Technologies

gemedicalsystems.com

European Headquarters
GE Medical Systems
Information Technologies GmbH
P.O. Box 60 02 65
79032 Freiburg • Germany
Tel. +49 761 45 43 - 0
Fax +49 761 45 43 - 233

World Headquarters
GE Medical Systems
Information Technologies, Inc.
8200 West Tower Avenue
Milwaukee, WI 53223 • USA
Tel. +1 414 355 5000
Fax +1 414 355 3790

Asia Pacific
GE Medical Systems Hong Kong Ltd.
11th Floor, The Lee Gardens, 33 Hysan Ave.
Causeway Bay • Hong Kong
Tel. +852 2100 6300
Fax +852 2100 6292