GE Healthcare

MAC 500
Resting ECG

The lightweight portable electrocardiograph MAC 500 of GE Healthcare with its 2 kg provides a high degree of comfort and technology. Whether it's in the hospital ward, during house calls or in an emergency case – no matter where it's needed – this robust, battery-operated instrument is rapidly put into operation.

It combines functionality and aesthetics in a practical solution characterized by its unique design, true one-button operation, extremely simple configuration, automatic 12-channel ECG documentation and special arrhythmia recording.

Options offer you individual application possibilities like the automatic ECG measurement using the sophisticated measurement software program 12SL to provide you with a fast and reliable diagnosis.

Using the optional infrared data interface, you can transfer ECGs to cardiology departments for consultation. This data can be stored in the CardioSoft data management system for further analysis. This allows access to existing or future information systems.

MAC 500 Accessories
MultiLink – This unique system, developed utilizing the very latest technology, offers you absolute flexibility.
* **Patient trunk cable** – The MultiLink patient trunk cable for the MAC 500 has a standardized interface: You can easily connect leadwire sets and replace MultiLink leadwires individually.
* **Leadwires** – With MultiLink leadwires the choice is yours: The different adapters (4 mm connector, grabber, clamp) allow you to use:
  - grabber electrodes on the limbs
  - suction electrodes on the thorax
  - adhesive electrodes with snap studs
  - adhesive tab electrodes

KISS – The KISS electrode application system guarantees
* quick and accurate electrode attachment
* excellent electrode grip, even on hairy skin
* uninterrupted, artefact-free ECG trends
* noiseless operation
* mobility

Device type

12-lead resting ECG with the operation modes:
Auto/Manual/Arrhythmia;
optional with measurement and infrared interface for transfer
of ECGs to CardioSoft PC (3-lead printout)

Options (only for MAC 500 with Measurement and IR)

Software: 12SL interpretation program
For transfer of data directly to CardioSoft PC, via IR interface:
- Infrared adapter
- Connection cable from the infrared adapter to the PC
  interface

Languages

17 operation languages (German, English, French, Italian, Spanish,
Swedish, Norwegian, Danish, Dutch, Czech, Finnish, Hungarian,
Macedonian, Bulgarian, Polish, Portuguese, Russian)

Technical Specifications

Recording:	thermal dot printer process, writing width 80 mm
Paper:	folded or roll paper Contrast, Paper width 90 mm
Paper speed:	5-25-50 mm/s, selectable using the function buttons
Function keyboard:	membrane key pad function buttons for all important routine operations
Display:	alphanumeric LCD 2 x 16 characters, adjustable display contrast
Zeroing	automatic setting in the optimal recording range
Anti-Drift-System (ADS:	automatic compensation of baseline drift

Electrode check

- Audible indicator and display on LCD; monitoring of individual electrodes
- Heart rate display in range 30-300 beats/min

Heart rate control

- Definable upper and lower limits; alarm when outside defined range

Electrical

Power Supply:	From mains or built-in battery (type: lead-acid 12 V, 1.2 A hr)
Mains operation:	battery charging from built-in charger
Voltage independent mains operation/universal power supply;	nominal input range: 100..240 V, 49..65 Hz
Mains operation:	instrument designed to satisfy protection class I requirements, according to IEC 60601-1

Physical Specifications

Dimensions:	290 x 80 x 200 (width x height x depth in mm)
Weight:	2 kg including battery

Environmental Specifications

Transport:	Temperature -15 and +50°C (with battery) Relative humidity 25-95% Pressure 500-1060 hPa
Operation:	Temperature +10 ... +40°C (also with battery) Relative humidity 25-95% Pressure 700-1060 hPa

Certification

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

GE Medical Systems Information Technologies GmbH
Munzinger Strasse 3-5
79111 Freiburg, Germany
Tel. +49 761 4543 0 • Fax +49 761 4543 233

www.gehealthcare.com

GE imagination at work