Technical specifications

Power supply: Internal AC power, 115-230 V ± 10% 50/60Hz
Battery power capacity: Rechargeable lead battery 12 Volt, 2000 mAh
Writing system: Thermal printer, 8 dot/mm. Usable print height 210 mm
Thermosensitive paper: Format 210 mm in grids Z-fold packets: length 30 m., page 210x150 mm
Display: Backlit graphic display 320x240 pixels (115x86 mm) 5.7 inches
Keyboard: Membrane, with functional and alphanumeric extended keyboard
Leads: 12 standard leads
Signal memory: 10 seconds each lead in automatic mode
Print channels: 12
Print format: Automatic mode: 3, 6, 6-2, “Full Page” (3+4-R) or 1 and (3+3-R)+1, 12x1
Display channels: 3, 6, 6-4
Operating modes: Manual: acquisition and printing in real time

Recording/display sensitivity:
Automatic: according to number of channels printed
Paper transport speed: 5 - 25 – 50 mm/s
Defibrillation protection: Internal
Input dynamics: ± 300 mV @ 0 Hz ± 10 mV bandwidth
Input impedance: > 100 MΩ on each electrode
Common mode rejection: > 100 dB
Frequency response: 0.05 - 150 Hz (–3dB)
Time constant: 3.3 s

Acquisition: 1000 samples/channel printing and filters
500 samples/channel in calculation and filters
Resolution 5 MicroV/bit

Pacemaker recognition: Recognizes pulse in accordance with current IEC standards
Filters: Mains and muscle interference: modified digital notch 50 – 60 Hz

Communication interface: Infrared
Diagnosis programs: Parameter calculation (optional)
Electrocardiogram interpretation
Arrhythmia program (optional)
HRV: heart rate variation (optional)
Options: Memory option, ECG measurements option, ECG analysis option, arrhythmia option, HRV analysis option, PC archive option, PC ECG option
Dimensions: 325 x 80 x 345 mm (length x height x depth)
Weight: 5000 grams without paper

Safety and Conformity to standards:
Class I, type CF
Ref: EN 60601-1, EN 60601-2-25, IEC 60601-2-51
According to: 93/42 CEE: class IIa CE0470

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**CARDIOLINE®**

**ar2100view** combines multiple levels of performance in a multichannel ECG recording with all the features of reliability, modularity, versatility and upgradability that characterize the latest generation of CARDIOLINE® electrocardiographs.

In short, an A4 format electrocardiograph providing solutions that will help improve the quality of diagnosis performed by specialists and hospital staff alike.

### Main Features

- Automatic, manual and pre-programmed recording mode.
- Multi-channel print format on A4 paper: 3, 6x1, 6x2, “Full Page” (3x4+R) and (3x4+3R), 12 channel.
- LCD Display type for ECG real time 3, 6, 6+6 channels.
- Extended alphanumeric keyboard.
- Paper in rolls and packs.
- Dual power supply: mains and rechargeable internal battery.
- Memory of the last ECG recording and printing of additional copies.
- Time and date indication.

### Options available

- **Memory option**
  Storage of more than 40 full ECG exams, with no need to print out the ECG.

- **ECG measurements option**
  Automatic calculation of the main ECG parameters.

- **ECG analysis program**
  A useful and dependable diagnostics support. The results obtained by analysing the 12 lead simultaneously, can be printed out in a “physician tailored layout” following the methodology with which a Physician would read an ECG.

- **Arrhythmia option**
  Detection of arrhythmia events during continuous recording.

- **HRV analysis option**
  Measurement of the heart rate variability in a predicted interval (from 1 to 5 minutes) and printout of the relevant results.

- **PC archive option**
  Archival storage of the ECG in a personal computer running the CARDIOLINE® software for the ECG computerised management. The data upload to the PC is made by use of the wireless “IR” interface; no direct connection to the PC is required.

- **PC ECG option**
  Real time display of the 12 ECG leads on a PC endowed with CARDIOLINE® software for the ECG computerised management. The software can offer an optional module for automatic interpretation of the ECG signal.

**Easy view… clear recordings**

- **Safe and easy wireless connection**
  thanks to the IR (Infrared) digital interface.

- **Efficient and fast control of the recording quality**
  thanks to the multichannel graphic display able to visualize the ECG signal before and during a recording with no need to print out immediately on paper.

- **User friendly interface**
  the liquid crystal display, a complete alphanumeric keyboard and dedicated keys for a quick access to the main operating function, ensure quick and trouble free operation of the ECG examination and patient management.

- **Easily adapted to suit your individual requirements**
  the selection of the “options” offered has no restrictions or constraints, it has no effect on day-to-day use of the instrument and upgrades can be made directly at your clinic or ward.