

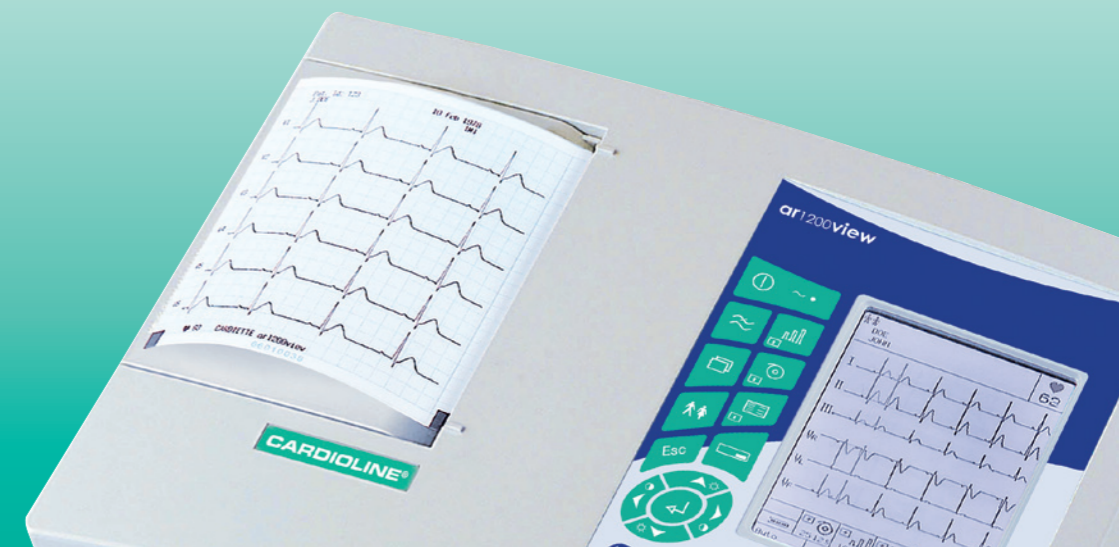
Technical specifications

CE
0470

Power supply	A.C. mains with external power supply 230V±10% 50/60 Hz.; available also: 115V±10% 50/60 Hz; rechargeable NiMH batteries, 10x1,2 Volt, 1800 mAh
Battery power capacity	100 min in 3 channel print format, 200 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 110 mm
Thermosensitive paper	Z-Fold: length 20 m, page 120x100 mm, gridded Rolls: length 30 m, page 120x100 mm, gridded
Monitor	Backlit graphic display 320x240 pixels, 320x240 mm (4,7 inches)
Keyboard	Membrane, with functional and alphanumeric extended keyboard
Leads	12 standard/cabrera leads
Signal memory	10 seconds each lead in automatic mode
Print channels	6
Print format	3, 3+R and 6
Operating modes	Manual: acquisition and printing in real time Automatic: simultaneous acquisition Pre-programmed: simultaneous acquisition at programmable intervals Arrhythmia: detection of arrhythmia events (optional) HRV: acquisition and processing of heart rate variation (optional) PC ECG : transmission of signal in real time to Personal Computer (optional) Paper Saving: acquisition without print (optional)
Recording sensitivity	Manual: 5 – 10 – 20 mm/mV Automatic: according to number of channels printed
Paper transport speed	5 mm/s ± 10% 25 - 50 mm/s ± 5%
Defibrillation protection	Internal
Input dynamics	± 300 mV @ 0 Hz.± 5 mV in pass band
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 - 150 Hz
Time constant	3.3 s
Acquisition	11 bit 1000 samples/s/channel printing and filters 500 samples/s/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, switch on/switch off filter Anti-drift: digital high-pass 0.5 Hz, linear phase, always enabled and without morphological distortion
Serial interface	Infrared
Diagnostics programs	Parameter calculation (optional) Electrocardiogram interpreter (optional) Arrhythmia monitoring (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	320 x 72 x 240 mm (length x height x depth)
Weight	2150 grams without paper
Safety and Conformity to standards	Class I, type CFRef: EN 60601-1, EN 60601-2-25, IEC 60601-2-51 According to: 93/42 CEE: class IIa CE0470

CARDIOLINE® ar1200view

Easy view... clear recordings



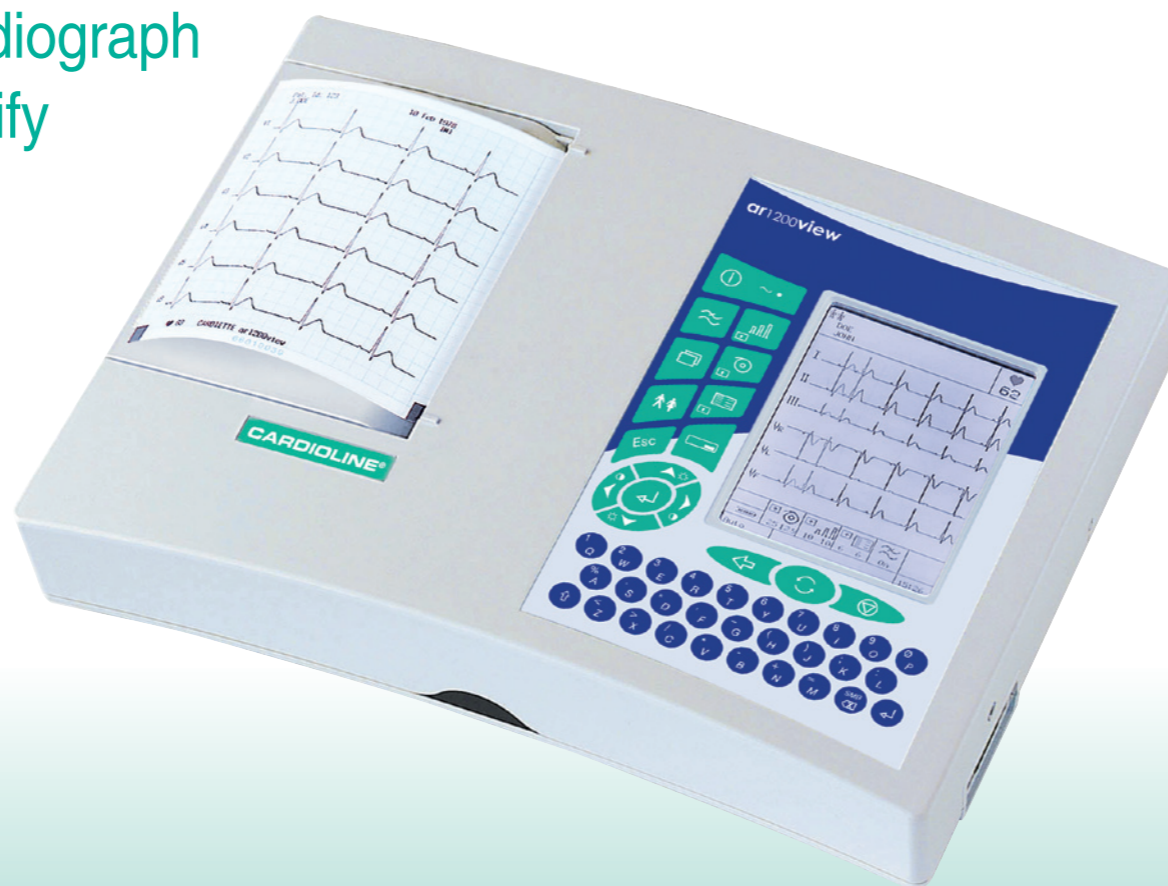
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CARDIOLINE®
is an et medical devices SpA brand

ar1200view 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

The multi-channel electrocardiograph providing solutions that simplify the activity performed by specialists and hospital staff alike



Easy view... clear recordings

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.

Safe and easy wireless connection

thanks to the IR (Infrared) digital interface.

User friendly interface

the liquid crystal display and a simplified set of alphanumeric keys ensure quick and troublefree use under any conditions, and dependable 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 surgery.

Main features

LCD Display type for ECG real time 3, 6 channels

Multi-channel print format on 120 mm paper: 3, 3+R, 6 channels

Automatic, manual and pre-programmed recording mode

Alphanumeric keyboard

Paper in rolls and packs

Dual power supply: mains and rechargeable internal batteries

Memory of the last ECG recording and printing of additional copies

Time and date indication

Option available

Memory option

Storage of up to 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 analysis 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.