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ar2100view

Technical specifications

CE 0470

Power supply	Internal AC power; 115-230 V ± 10% 50/60Hz
	Rechargeable lead battery 12 Volt, 2000 mAh
Battery power capacity	1 hour in continue recording, 180 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 210 mm
Thermosensitive paper	Format 210 mm in gridded Z-fold packets: length 30 m., page 210x150 mm
	Rolls: length 17 m., page 210x280 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, 6×1, 6×2, “Full Page”(3×4+R)×1 and (3×4+3R)×1, 12×1
	Manual mode: 3, 6, 12
Display channels	3, 6, 6+6
Operating modes	Manual: acquisition and printing in real time
	Automatic: simultaneous acquisition
	Pre-programmed: in real time 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/display sensitivity	Manual: 5 – 10 – 20 mm/mV ± 5%
	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 band width
Input impedance	> 100 MW on each electrode
Common mode rejection	> 100 dB
Frequency response	0,05 - 150 Hz (–3db)
Time constant	3.3 s
Acquisition	12 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
	Anti-drift: digital high-pass 0.5 Hz, linear phase, without morphological distortion
Communication interface	Infrared
Diagnostics 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

et medical devices SpA
Marketing & Sales Head Office
Strada Rivoltana Nuova, 53 - 20060 Vignate (MI), Italy
Tel. +39 02 95 05 18.1 Fax +39 02 95 66 013 e-mail: etmed@etmed.biz

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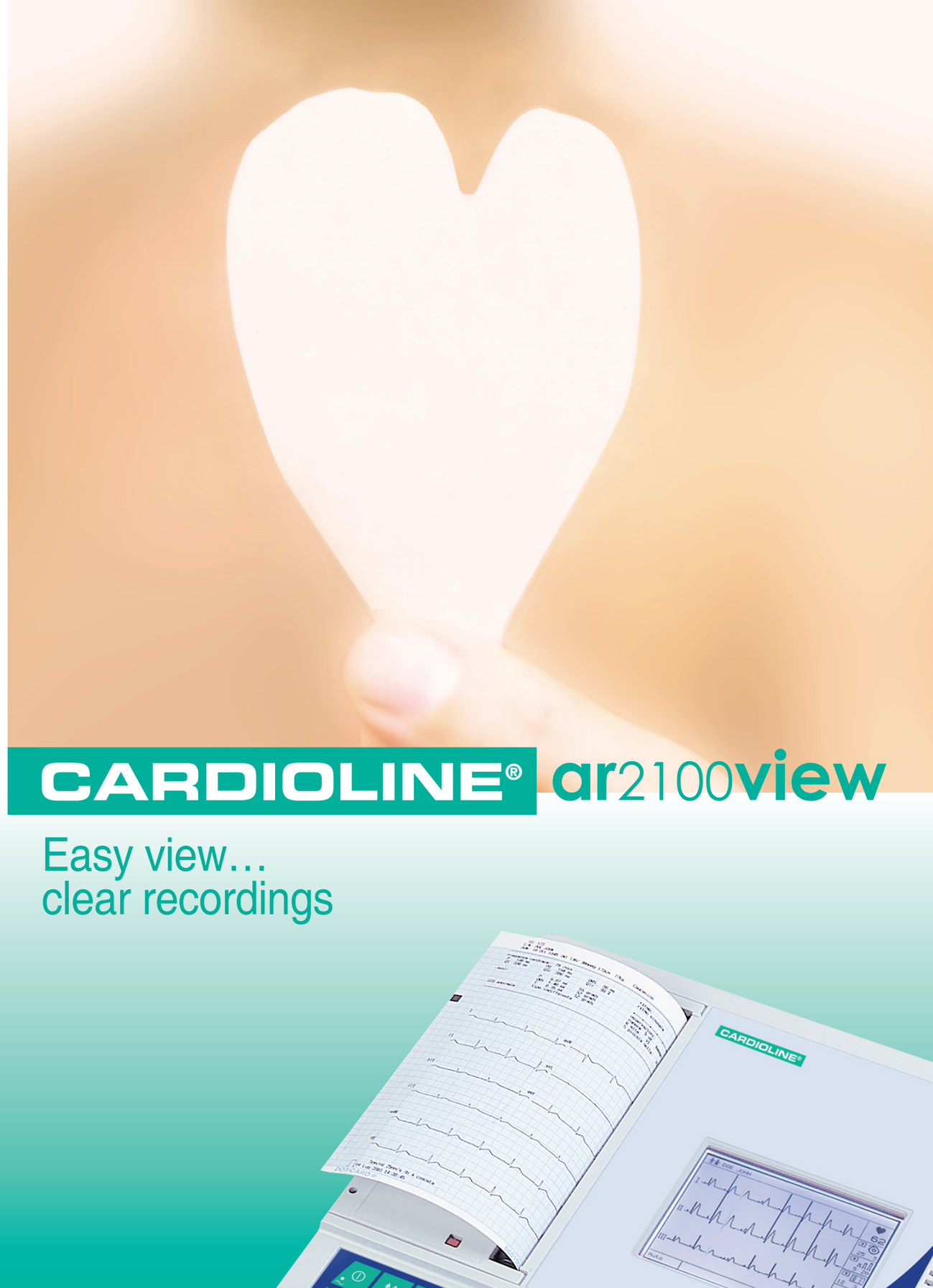


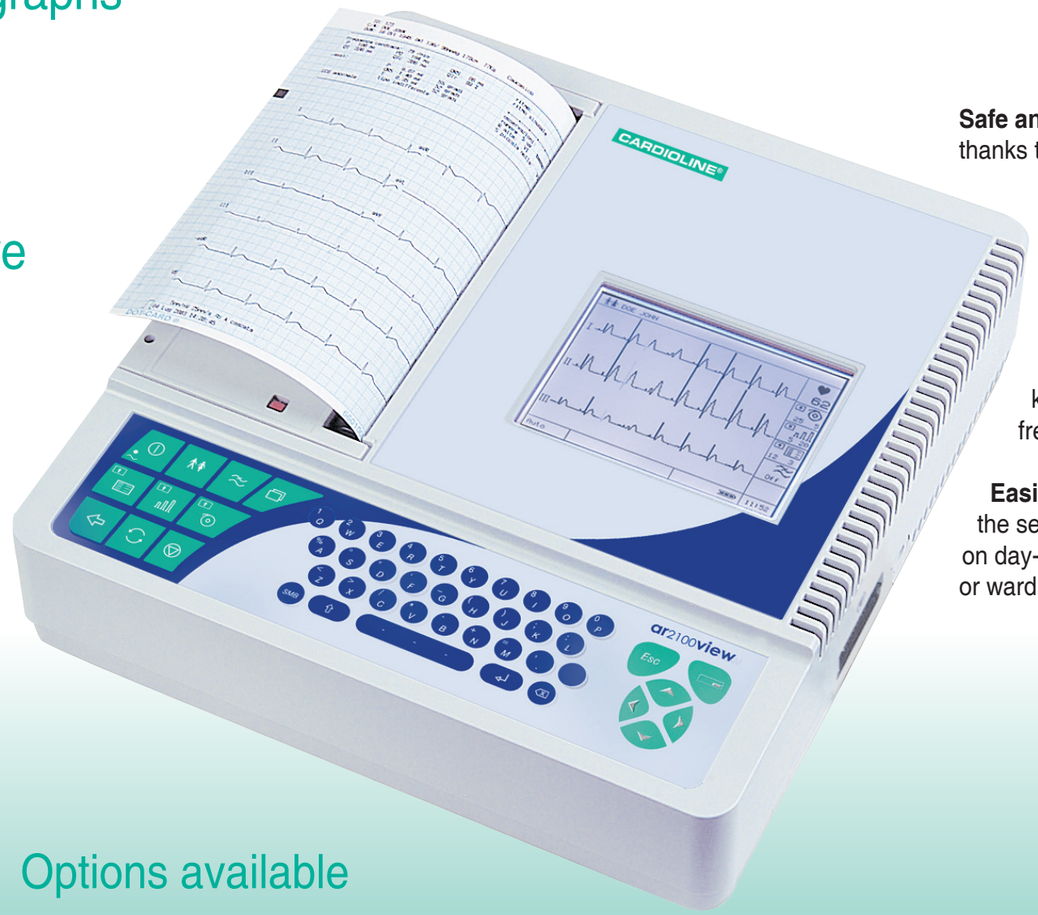
CARDIOLINE® ar2100view

Easy view… clear recordings

CARDIOLINE® ar2100view

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



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.

Main Features

Automatic, manual and pre-programmed recording mode.

Multi-channel print format on A4 paper: 3, 6×1, 6×2, “Full Page” (3×4+R) and (3×4+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.