

Technical specifications

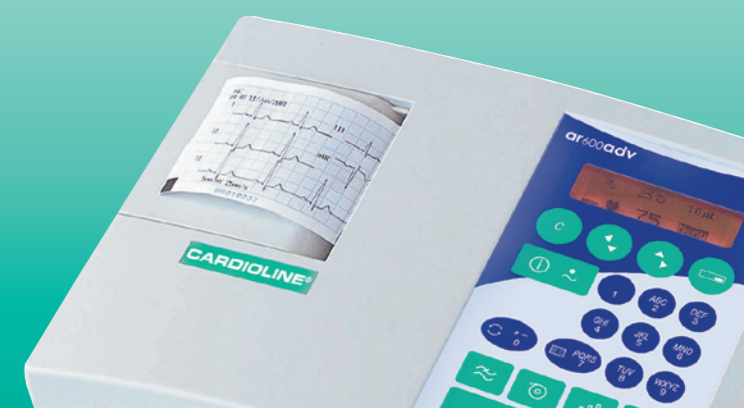
CE
0470

Power supply	A.C. mains with external power supply 230V±10% 50/60 Hz.; available also: 115V±10% 50/60 Hz; rechargeable NiMH batteries, 8x1,2 Volt, 1500 mAh
Battery power capacity	3 hours, 200 recordings
Writing system	Thermal printer, 8 dot/mm. Usable print height 50 mm
Thermosensitive paper	Rolls: length 15 m, page 60x75 mm gridded Z-Fold: length 18 m, page 60x75 mm, gridded
Monitor	Backlit graphic display 32x120 pixels (61x16mm), 2,5 inches
Keyboard	Membrane, with functional and alphanumeric keyboard simplified
Leads	12 standard leads
Signal memory	10 seconds each lead in automatic mode
Print channels	3
Print format	1, 2, 2+R and 3
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	25 - 50 mm/s
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 (-3dB)
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 interpretation (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	250 x 60 x 185 mm (length x height x depth)
Weight	1000 grams with batteries, without paper
Safety and Conformity to standards	Class II, type CF Ref: EN 60601-1, EN 60601-2-25, IEC 60601-2-51 According to: 93/42 CEE: class IIa, CE0470

CARDIOLINE® ar600adv

A portable
electrocardiograph
and much more

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ar600adv combines multiple levels of performance in a portable electrocardiograph with all the features of reliability, modularity, versatility and upgradability that characterize the latest generation of CARDIOLINE® electrocardiographs

ar600adv represents the evolution of a portable instrument able to meet the growing demands placed on ECG diagnostic systems



A portable electrocardiograph and much more

Safe and easy wireless connection

thanks to the IR (Infrared) digital interface.

Anytime, Anyplace

thanks to its low weight, only 1 Kg; minimum size, 250x60x185 mm (LxAxP); battery autonomy of more than 3 hours and 200 recordings.

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

affording an advanced diagnostics support and facilitating the communication and transfer of information. 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

Automatic, manual and pre-programmed recording mode.

Multi-channel print format on 60 mm paper: 1, 2, 2+R, 3 channels.

LCD Display.

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.

Options available

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.