



Discount
CARDIOLOGY
www.discountcardiology.com

CARDIOLINE® ar600

A new concept in
a portable ECG:
innovative, dynamic,
universal



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ar600 embodies the features of reliability, modularity, versatility and upgradeability that characterize the latest generation of CARDIOLINE® electrocardiographs.

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

Anytime, Anyplace thanks to its reduce weight, only 1 Kg, minimum size, 250x60x185 mm (LxAxP); autonomy of more than 3 hours and 300 recordings.

Easy to use thanks to the "Online" user guide.

Easily adapted to suit your individual requirements thanks to the flexibility of the software used and to the infrared interface.

The range of "options" offered is particularly generous there are no restrictions or constraints, as the selection can be made either at the moment of purchase or later ensuring an optimum price-to-performance-ratio and without having to interrupt day-to-day activity.

ar600, combines affordable price and performance, providing an ideal and versatile solution in response to the increasing demands placed on ECG diagnostic systems.

- ⇒ Recording of an ECG in either automatic or manual mode
- ⇒ Thermal printing on 60 mm paper, single channel
- ⇒ Paper in rolls and packs
- ⇒ Dual power supply: mains and rechargeable internal batteries
- ⇒ Last ECG recording memorized and additional copies available

Technical Specifications

CE
0470

Power supply.....	AC 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 Capacity.....	3 hours, 300 recordings
Writing system.....	Thermal printer, 8 dot/mm Usable print height 50 mm
Thermal Sensitive paper.....	Rolls: length 15 m, page 60x75 mm gridded Z-Fold: length 18 m, page 70x60 mm, gridded
Keyboard.....	Membrane, with functional keyboard
Leads.....	12 standard/cabrera leads
Signal memory.....	10 seconds for each lead in automatic mode
Print channels.....	1 (3 optional)
Operating modes.....	Manual: acquisition and printing in real time Automatic: simultaneous acquisition PC ECG: transmission of signal in real time to Personal Computer (optional)
Recording sensitivity.....	Manual: 5 – 10 – 20 mm/mV ± 5% 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 mV/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)
Options.....	Multi-channel option, ECG measurements 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, EN 60601-2-51 According to: 93/42 CEE: class IIa, CE0470



Options available

Multi-channel option

Multiple printout formats: one, two and three channels.

ECG measurements option

Automatic calculation of main ECG parameters.

PC ECG option

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



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