



# CARDIOLINE® ar600

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



## ar600 a new concept in a portable ECG: innovative, dynamic, universal

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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