

## ar600adv

ar600adv embodies the features of reliability, modularity, versatility and upgradability that characterize the latest generation of **CARDIOLINE®** electrocardiographs.

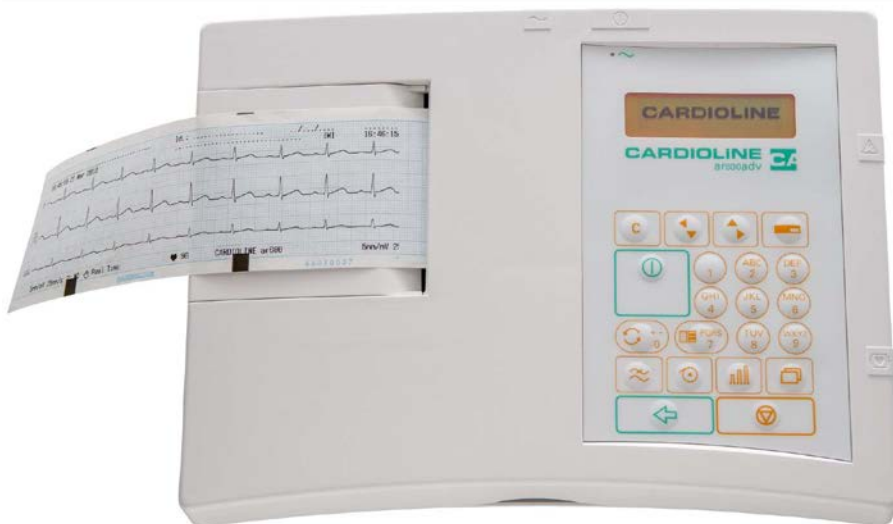
ar600adv is a portable electrocardiograph with dual power supply, (mains and rechargeable internal batteries), which in the basic configuration allows:

- recording of an ECG in either automatic, manual mode and pre-programmed;
- printing the ECG on 60 mm in different format paper using a high-resolution thermal print: 1, 2, 2+R e 3 channel;
- storing the most recent ECG recording in automatic mode and printing additional copies of the ECG as required;
- obtain the measurement of the main ECG parameters.

Thanks to the flexibility of the software used, the ar600adv can be adapted at any given moment to suit your individual requirements. The range of "options" offered have no restrictions or constraints, as the selection can be made either at the moment of purchase or later on at your clinic or surgery without having to interrupt day-to-day activity.

In just a few minutes your ar600adv can be equipped with:

- *Memory option*: storage of up to 20 full ECG exams, with no need to print out the ECG;
- *ECG interpretation option*: automatic ECG interpretation program;



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## Technical specifications

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|---------------------------------|--|
| A.c. mains power supply .....   | AC mains with external power supply<br>230V±10% 50/60 Hz.; available also:<br>115V±10% 50/60 Hz;   |
| Mains protection.....           | Fuse: T 0.5 A  |
| Battery.....                    | Set of rechargeable NiMH batteries 8x1.2 Vdc;<br>1500 mAh  |
| Applied part.....               | CF type  |
| Defibrillation protection ..... | Internal   |
| Input dynamic.....              | ± 300 mV @ 0 Hz.± 5 mV in pass band  |
| Input impedance .....           | > 100 M each electrode   |
| Common mode rejection.....      | > 100 dB   |
| Frequency response .....        | 0,05 to 150 Hz (-3dB) without filters  |
| Time constant .....             | 3,3 s  |
| Acquisition.....                | 11 bit<br>1000 samples/s/channel printing and filters<br>500 samples/s/channel in calculation and filters<br>Resolution 5 V/bit  |
| Leads .....                     | 12 Standard or Cabrera   |
| Signal memory .....             | 10 seconds for each lead in auto isochronous   |
| Recording sensitivity .....     | manual: 2,5 – 5 – 10 – 20 mm/mV ± 5%<br>automatic: dependent on number of channels<br>printed  |
| Writing system .....            | Thermal printer, 8 dot/mm<br>Usable print height 50 mm   |
| Print channels .....            | 3  |
| Paper transport speed .....     | 25 - 50 mm/s ± 5%  |
| Thermal paper.....              | rolls : height 60 mm, length 15 m, gridded.<br>pack of Z-Fold : length 20 m, page 70x60 mm,<br>gridded.  |
| Pacemaker recognition .....     | Recognizes pulse in accordance with current<br>IEC standards   |
| Filters .....                   | Mains interference: Modified digital notch filter<br>50 - 60 Hz<br>Anti-drift: digital high-pass 0.5 Hz, linear phase  |
| Serial interface .....          | Infrared (service only)  |
| Keyboard.....                   | Membrane, with functional and alphanumeric<br>keyboard simplified  |
| Display .....                   | LCD 120x32 pixel   |
| Interpretation program .....    | Parameter calculation<br>ECG interpretation (optional)   |
| Type of use .....               | Continuous   |
| Operating modes .....           | manual: acquisition and printing in real time<br>automatic : simultaneous acquisition<br>timed: acquisition at user-defined intervals<br>PC-ECG: real time acquisition with display at<br>PC (optional)<br>Paper Saving: Automatic acquisition and<br>archiving without printing |
| Capacity .....                  | Internal battery: 3 hours in 1 channel mode  |
| Recharging time.....            | Internal battery: 14 hours 100%  |
| Dimensions .....                | 250 x 60 x 185 mm (length x height x depth)  |
| Weight.....                     | 1000 grams with batteries, without paper   |
| Classification 93/42 CE.....    | class IIa, CE0476  |

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