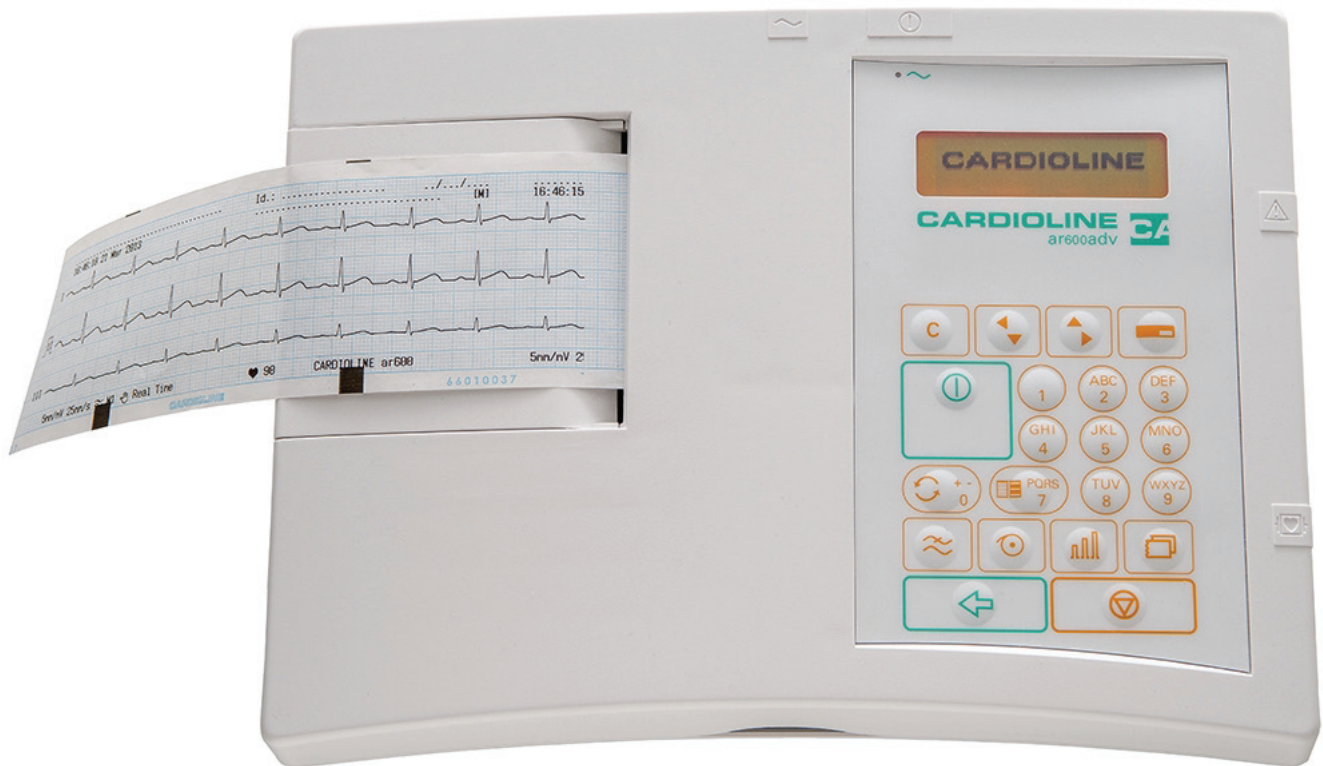**CARDIOLINE US**

ar600adv is a lightweight, portable electrocardiograph with an integrated high resolution thermal printer, LCD display showing program input and operating status and alphanumeric keyboard.
The machine has two operating modes - manual and automatic - and is supplied with an internal rechargeable battery.

ar600adv

FEATURES

- Dual power supply system (mains and rechargeable internal batteries)
- Records ECG in automatic, manual and pre-programmed mode;
- Prints the ECG signal in high resolution on 60mm paper with its thermal printer in various formats: 1, 2, 2+R and 3 channels;
- Memorises the last automatic ECG in automatic mode for later printout of copies as required;
- Calculation of the main ECG parameters.

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5963 Olivas Park Drive, Suite F
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CARDIOLINE US

Technical Specifications

Mains supply	Mains, with external power supply 230V±10% 50/60 Hz
Battery	Rechargeable battery pack NiMH 8x1.2 Vdc; 1500 mAh
Applied part	CF type
Input dynamics	± 300 mV @ 0 Hz.± 5 mV in pass band
Common mode rejection	> 100 MΩ on each electrode
Frequency Response	0.05 / 150 Hz (-3dB)
Acquisition	11 bit, 1000 samples/s/channel printing and filters
	500 samples/s/channel in calculation
Resolution	5 µV/bit
Leads	12 Standard or Cabrera leads
Signal memory	10 s for each lead in automatic mode
Recording sensitivity	manual: 2.5 – 5 – 10 – 20 mm/mV ± 5%
	automatic: according to number of channels printed
Writing system	Thermal printer, 8 dot/mm
Print channels	3
Thermo-sensitive paper	rolls: length 15 m, page 60x75 mm gridded
	Z-Fold: length 18 m, page 60x75 mm gridded
Pacemaker Recognition	Recognises pulse in accordance with current IEC standards
Filters	Mains interference : modified notch 50–60 Hz
Anti-drift	0.5 Hz high pass, linear phase
Keyboard	Membrane with functional simplified alphanumeric keyboard
Display	120x32 pixel back-lit LCD
Operating modes	manual: acquisition and printing in real time
	automatic: simultaneous acquisition; pre-programmed.
Diagnostics program	Parameter calculation
	ECG interpretation (optional)
Standby time	Internal battery: 3 hours in single channnel mode
Recharging time	Internal battery : 14 hours 100%
Dimensions	250 x 60 x 185 mm (length x height x depth)
Weight	1000 grams without paper

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