

ar2100view

ar2100view is available as in a base version as well as a Bluetooth version for data transmission via integrated Bluetooth interface.

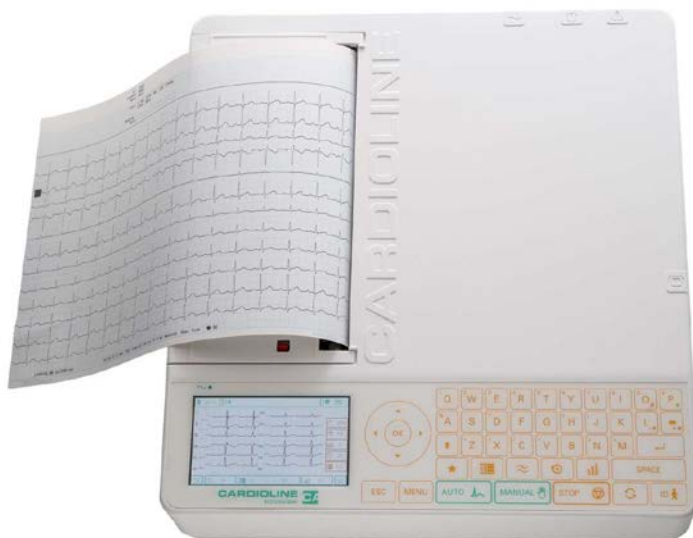
ar2100view has dual power supply (mains and rechargeable internal batteries), which in the basic configuration allow to:

- recording of an ECG in either automatic, manual mode and pre-programmed;
- printing the ECG on 210 mm in different format paper using a high-resolution thermal printer;
- sorting of the tests according to clock, date and alphanumeric keyboard to manage user and patient data;
- effect the automatic ECG parameter measurement;
- archive the ECG in a personal computer running cubeecg software (only for bt version);
- visualize the real time display of the 12 ECG leads on a personal computer screen through the Bluetooth to allow management of patient medical records and archiving of ECG's in digital format thanks to the cubeecg software (only for bt version).

Thanks to the flexibility of the software used, ar2100view can be adapted at any given moment to suit your individual requirements. The range of "options" offered has 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 ar2100view can be equipped with:

- *Memory option:* storage of up to 200 full ECG exams, with no need to print out the ECG;
- *ECG analysis program:* automatic ECG interpretation program.



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Technical Specification

A.c. mains power supply	Internal power supply 90-250V 47/63Hz
Battery	Rechargeable lead battery NiMH 10x1,2 Vdc; 2000 mAh
Defibrillation protection	Internal
Input dynamic.....	± 300 mV @ 0 Hz.± 10 mV in pass band
Input impedance	>100 M on each electrode
Common mode rejection.....	>94 dB balanced electrode impedance
Frequency response	0,05 190 Hz (-3dB)
Time constant	3,3 s
Acquisition.....	12 bit; 1000 samples/s/channel printing; 500 samples/s/channel in calculation and filters; Resolution (LSB) 5 V/bit
Leads	12 leads Standard, Cabrera with quality control of the electrodes connection.
Signal memory	10 seconds for each lead in auto isochronous
Recording sensitivity	Manual and automatic: 2,5 - 5 - 10 - 20 mm/mV ± 5%
Writing system	Thermal printer 8 dot/mm Usable print height 210 mm
Print format	3 / 6 / 12 / D3+1 / D3+3 / D6x2 / D12
Paper transport speed	5 - 10 - 12,5 - 25 - 50 mm/s
Thermal paper.....	Z-Fold pack: page 210x280mm *200FF, gridded
Pacemaker recognition	Recognises pulse in accordance with current IEC standards
Filters	Mains interference: Modified digital notch filter 50-60 Hz linear phase Anti-drift: Digital high-pass 0.5 Hz, linear phase, always enabled. muscular tremors: 3 frequencies: 20, 25 and 35 Hz.
Serial interface	Bluetooth class I (optional)
Keyboard.....	Capacitive with 47 keys
Display	Visualization 12 ECG channels, functional parameters, HR (30 - 300), included contact electrodes control signal. Colour graphic LCD TFT 480x272 pixels, display effective area 95.04 x 53.856 mm, led backlit (4,3")
Interpretation program	Parameter calculation ECG interpretation (optional)
Operating modes	Manual: acquisition and printing in real time Automatic: simultaneous acquisition PC-ECG: real-time acquisition with visualization on PC (optional) Paper Saving: acquisition and automatic archive without printing (optional)
Battery capacity	Internal battery: 80 min. printing 6 channels
Recharging time.....	Internal battery: 10 hours 100%
Housing protection degree.....	IP 20
Dimensions	325 x 80 x 345 mm (length x height x depth)
Weight.....	3700 gr. without paper
Class (93/42/EEC Directive)	Ila, CE0476

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