

ar600view

ar600view is an electrocardiograph with a dual power supply system (through mains or internal rechargeable battery pack) and in its base version it:

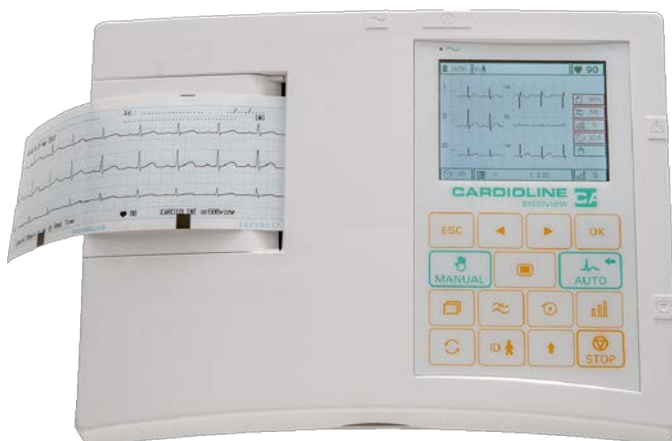
- registers ECG in automatic, manual and auto-timer mode;
- visualises the real-time ECG signal on its graphic display in the formats 3 and 3+3 channels;
- prints the ECG signal in high resolution on 60mm-paper with its thermal printer in various formats: 1, 2, 2+R, 3 and 6 channels;
- memorises the last automatic ECG for later printout of copies;
- organises tests by date/time and includes a keyboard for entering patient as well as user data;
- calculates ECG parameters automatically;
- archives tests on a PC with ECG management software ECG cubeecg;
- transmits ECG data in real-time to a PC with ECG management software ECG cubeecg.

ar600view integrates the data transmission through a Bluetooth interface.

Due to its flexible firmware, ar600view can be adapted at any time to the user's individual requirements by entering a specific activation code. The available options can be selected freely and individually either at the time of purchase or, later, at the site of operation without interrupting the daily workflow.

In just a few minutes your ar600view could include:

- *Memory option*: files up to 100 tests without the need of immediate printing ("paper saving" mode);
- *ECG interpretation option*: program for automatic parameter calculation and interpretation of the ECG signal.



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Technical specifications

AC mains power supply	AC mains with external battery charger 230V±10% 50/60 Hz.; also available: 115V±10% 50/60 Hz
Battery	Rechargeable battery pack NiMH 8x1.2 Vdc; 1,500 mAh
Applied part	CF type
Defibrillation protection	Internal
Input dynamic	± 300 mV @ 0 Hz.± 5 mV in pass band
Input impedance	100 M on each electrode
Common mode rejection	100 dB
Frequency response	0.05 150 Hz (-3dB)
Time constant	3.3 s
Leads	12 leads standard or Cabrera
Signal memory	10 s for each lead in auto isochronous
Recording sensitivity	<i>manual:</i> 2.5 – 5 – 10 – 20 mm/mV ± 5% <i>automatic:</i> depending on number of printed leads
Writing system	Thermal printer at 8 dot/mm Usable print height 54 mm
Print channels	1, 2, 2+R, 3 and 6* (*only in manual mode)
Paper speed	10 – 12.5 - 25 – 50 mm/s
Thermal paper	<i>roll:</i> length 15 m page 60x75mm, gridded <i>Z-Fold:</i> length 18 m, page 60x75mm, gridded
Pacemaker detection	Detects pulse in accordance with current IEC standards
Filters	<i>Mains interference:</i> modified digital notch filter 50–60 Hz <i>Anti-drift:</i> 0.5 Hz digital high-pass, linear phase <i>Muscle tremor:</i> 3 filters 35, 25 & 20 Hz
Serial interface	Bluetooth Class I, USB (service)
Keyboard	Soft touch with 15 function keys
Display	Visualisation of the 12 ECG channels, functional parameters , HR (30 - 300), incl. signal check, graphic colour LCD TFT, 3.5", resolution 320(RGB) X 240, colour depth 24bit, technology type a-Si, actual area (mm) 70.08 x 52.56, 6 LED backlit
Interpretation program	<i>Parameter calculation</i> <i>ECG interpretation</i> (optional)
Operating modes	<i>manual:</i> acquisition and printing in real-time <i>automatic:</i> simultaneous acquisition <i>Paper Saving:</i> acquisition and automatic archiving without printing
Autonomy	<i>Internal battery:</i> 3 hours in 1-channel mode
Recharging time	<i>Internal battery:</i> 14 hours to 100%
Dimensions	250 x 60 x 185 mm (length x height x depth)
Weight	1,000 grams without paper
Classification 93/42 CE:	class IIa, CE0476

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