

ar1200viewbt

ar1200viewbt embodies the features of reliability, modularity, versatility and upgradability that characterize the latest generation of **CARDIOLINE®** electrocardiographs with a multi-channel ECG recording 120 mm with 12 channel LCD colour graphic display TFT.

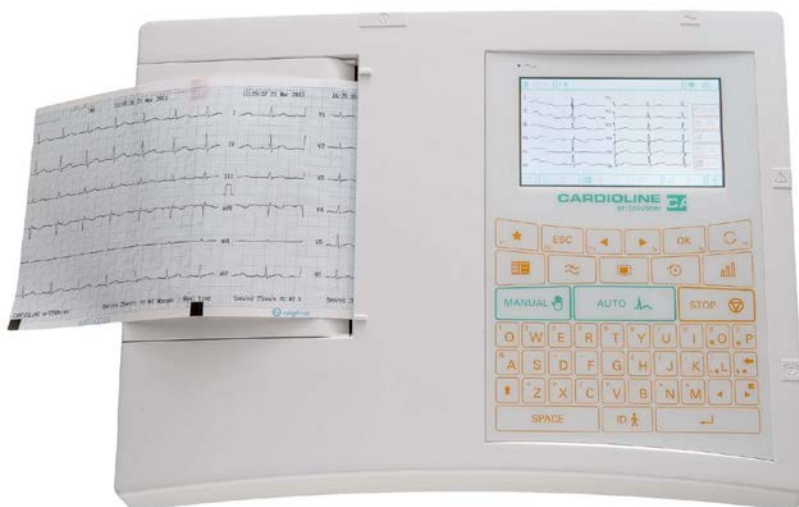
ar1200viewbt is an electrocardiograph with dual power supply, (mains and rechargeable internal batteries), which in the basic configuration allows:

- recording of an ECG in either automatic, manual mode and pre-programmed;
- visualizing in real time the ECG signal on a graphic display in print format: 3, 6, 6+6 ch.;
- printing the ECG on 120 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;
- to effect automatic ECG parameter measurement;
- archival storage of the ECG in a personal computer running cubeecg software;
- real time display of the 12 ECG leads on a personal computer screen to allow management of patient medical records and archiving of ECG's in digital format thanks to the cubeecg software.

Thanks to the flexibility of the software used and to the Bluetooth Class I, the ar1200viewbt 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 ar1200viewbt 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.



ar1200viewbt

Technical specifications

A.c. mains power supply	Internal power supply 90-264 V 47/63Hz
Battery.....	Set of rechargeable NiMH batteries 10x1.2 Vdc; 1800 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.....	> 100 dB with balanced impedance
Frequency response	0,05 150 Hz (-3dB)
Time constant	3,3 s
Acquisition.....	12 bit; 1000 samples/s/channel printing 500 samples/s/channel in calculation and filters Sensibility (LSB) 5 V/bit
Leads	12 Standard or Cabrera with quality control of the electrodes connection
Signal memory	10 seconds for each lead automatic
Recording sensitivity	manual and automatic : 2,5 - 5 - 10 - 20 mm/mV ± 5%
Writing system	Thermal printer, 8 dot/mm Usable print height 108 mm
Print channels	3 / 3 + R / 6 / 12 (manual only)
Paper transport speed	5 - 10 - 12,5 - 25 - 50 mm/s
Thermal paper.....	pack of Z-Fold : length 30 m, page 120x100 mm, gridded.
Pacemaker recognition	Recognizes pulse in accordance with current IEC standards
Filters	Mains interference: Modified digital notch filter 50 - 60 Hz linear phase. Anti-drift: 0.5 Hz high pass filters linear fase, always on. Muscolar noise: 3 filters 20, 25 e 35 Hz.
Serial interface	Bluetooth Class I
Keyboard.....	Soft touch keyboard with 47 function keys, 30 alphanumeric keys.
Display	Visualization 12 ECG channels, functional parameters, HR (30 - 300), included control signal colour graphic LCD TFT 480x272 pixel effective display area 95.04 x 53.856 mm, 9 led back light (4,3").
Interpretation program	Parameter calculation ECG interpretation (optional)
Operating modes	manual: acquisition and printing in real time automatic : simultaneous acquisition timed: acquisition at user-defined intervals PC-ECG: real time acquisition with display at PC Paper Saving: Automatic acquisition and archiving without printing
Capacity	Internal battery: 100 min. in 3 channel mode
Recharging time.....	Internal battery: 18 hours 100%
Dimensions	320 x 72 x 240 mm (length x height x depth)
Weight.....	2150 gr. without paper
Class (93/42/EEC Directive)	Ila, CE0476

ar1200viewwb