

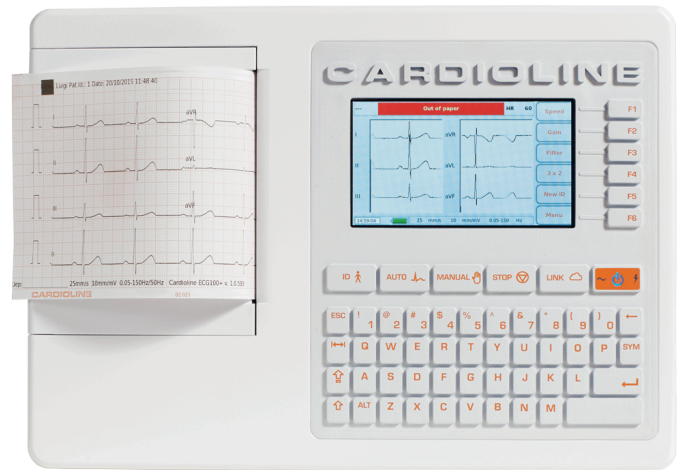
Cardioline ECG100+

Approved for use with
ECG On-Demand®



Main Features

- Multi-connectivity (USB, LAN, Wi-Fi) for bidirectional communication with electronic patient record (EPR) systems.
- Various data export formats and protocols (SCP, DICOM, XML, PDF, GDT, HL7).
- Large, high quality colour display to show ECG trace in real time.
- High-resolution thermal printer with multiple printing formats.
- Long-life battery for all day use.
- Easy to use thanks to its user-friendly interface and alphanumeric keypad.
- Class-leading Glasgow University ECG interpretation algorithm.



CARDIOLINE

General Overview

The ECG+ series electrocardiographs are part of Cardioline's range of connected ECG devices.

ECG100+ is easy to use thanks to its operator-friendly user interface and large alphanumeric keypad. A high-resolution 4.3" colour display shows the ECG in real time.

ECG100+ has a high-resolution thermal printer, a 4.3" colour display and a large keypad and straightforward user interface.

Its interpretation program has been developed by Glasgow University and can analyse ECGs from both adult and paediatric patients.

ECG100+ can be connected to the most common electronic patient record systems such as EMIS Web, SystemOne, Cerner & McKesson. Bidirectional data transfer using DICOM, HL7 & XML means ECGs can be fully integrated into existing workflows in healthcare facilities without the need to enter patient details manually.

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Technical Specifications

ECG Leads	12-leads (I, II, III, aVR-L-F, V1-6)
CMRR	115 dB
Sampling Frequency	500 or 1000 Hz/channel/storage
A/D Conversion	24 bit
Resolution	< 1uV/LSB
Bandwidth	0.05 – 150 or 300 Hz depending of sampling rate
Pacemaker Detection	Hardware and software correlated detection with digital filter
Filters	Fully digital high-pass diagnostics filter; digital AC interference adaptive filter (50/60 Hz); digital low-pass filter (applied during display and printing stage)
Defibrillation Protection	AAMI/IEC standards
Front-End Performance	ANSI/AAMI IEC 60601-2-25:2011
Safety	ANSI/AAMI ES1, Class I CF, CE0476
ECG Storage	Internal memory 100 ECGs, expansion for 1000 additional ECGs (optional)
Display	4.3" backlit LCD colour display, displays the ECG waveform in real time
Thermal Printer	8 dot/mm; 108mm; Z-fold 150mm paper
Manual Printing	3 or 6 channels -5/10/25/50 mm/s
Automatic Printing	Standard or Cabrera; 3, 3+1, 6 channels Patient Demographic, Global Measurements, Optional Interpretation (Glasgow University – Prof. MacFarlane)
Keypad	Mechanical keypad with alphanumeric keys and function keys
Connectivity	USB device, 802.11g/n Wi-Fi (optional), LAN (optional)
Patient Cable	Standard 15D, 10 electrodes
Data Export	PDF, XML (optional), GDT (optional), DICOM (optional), HL7 (optional)
Power Supply	Medical AC power-supply unit (100-240 VAC 50/60 Hz); internal rechargeable battery
Dimensions	285 x 204 x 65 mm
Weight	1.8kg with battery

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