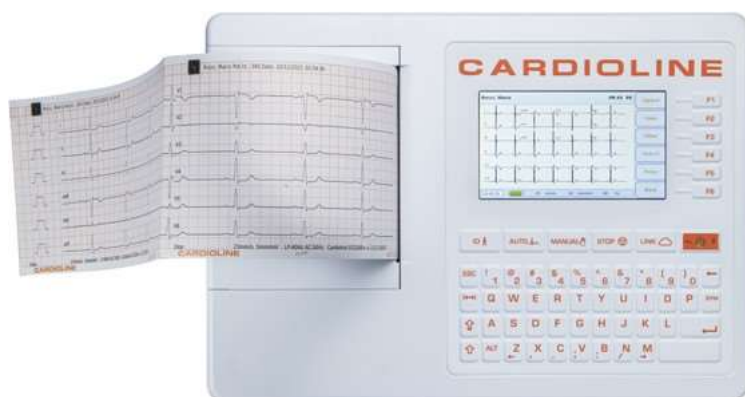


# Enter the Cardioline world

## ECG100S

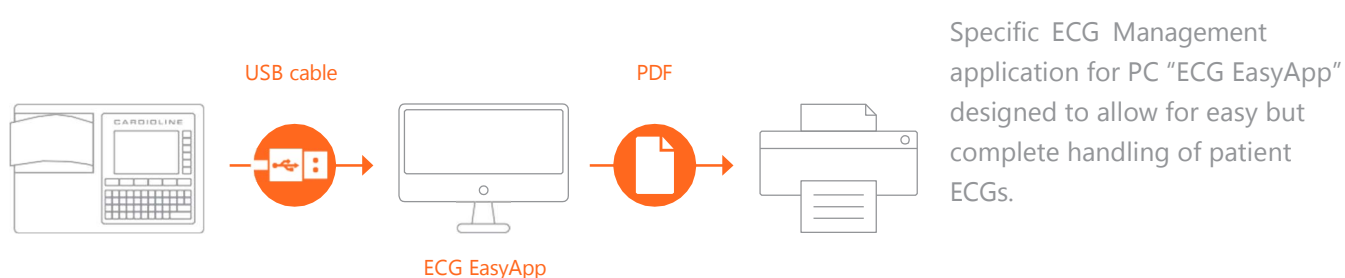
The 12 lead Electrocardiograph for your department



- Effective and powerful 12 lead Diagnostic Electrocardiograph, optimizes ECG workflow thanks to a smart user interface and connectivity to dedicated ECG management systems.
- Quick ECG acquisition for fast and easy operation. Highly accurate measurements exceeding the most stringent standards and international recommendations.
- ECG formats: SCP, PDF.
- Dedicated networking (LAN, Wi-Fi) to the Cardioline ECGWebApp application, our ECG management system for editing and storage, totally based on Web technology. Alternatively, for less demanding applications, the ECG EasyApp has been designed to allow for easy but complete handling of patient ECGs.
- Thanks to the flat silicone keyboard, the entire surface of the device is now easy to clean and disinfect.
- Glasgow ECG Interpretation Option for adult and pediatric patients, STEMI
- Optional GDPR module, allows complete protection of sensitive data stored on the electrocardiograph by strong authentication on the device.
- Dedicated Hospital grade cart.

### Technical specifications

ECG channels	12-Lead (I, II, III, aVR-L-F, V1
Patient cable	Standard 15D, 10 wires
CMRR	>100dB
Input impedance	100MΩ
Sampling rate of the input stage	24 bit, 32000 samples/second/channel
Output data resolution	1μV/LSB - 1000 samples/second/channel
Dynamic range	+/- 400 mV
Bandwidth	Performances equivalent to 0,05-300 Hz
Pacemaker detection	Hardware detection coupled with convolution digital filtering
Filters	Linear phase digital diagnostic high-pass filter (acc. to 60601-2-25 2nd ed.) 50/60 Hz AC interference adaptive digital filter Digital low pass filters at 25/40/150 Hz, for display and printing only
Defibrillation protection	AAMI/IEC standards
Front-end performance	ANSI/AAMI IEC 60601-2-25:2011
Lead configuration	Standard or Cabrera
Acquisition mode	Automatic (12 leads), Manual (3/6/12 leads), Stat (12 leads)
Lead fail detection	Independent on all leads
Storage	Internal storage up to 100 ECGs (Extended memory option to 1000 ECGs)
ECG Interpretation	Glasgow Analysis Program for Adult, Pediatric, STEMI
Export	SCP-PDF Standard format
Battery	Battery type: NiMH; Battery duration: more than 500 ECGs and more than 5 hours



The device can automatically send ECGs to the Cardioline ECGWebApp application (web ECG management system) for editing and storage.

