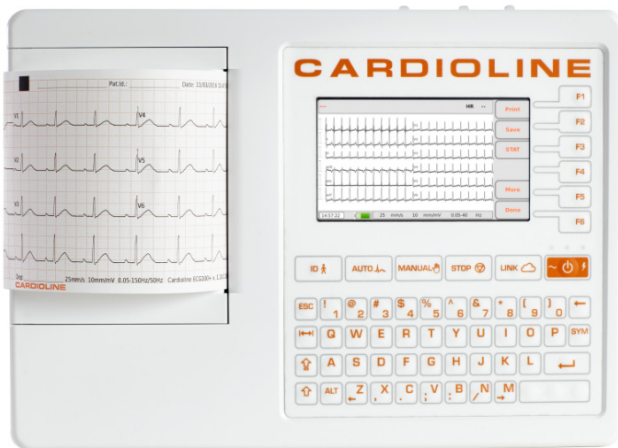


**CARDIOLINE**

# Enter the Cardioline world

## ECG100S

The 12 lead Electrocardiograph for your department



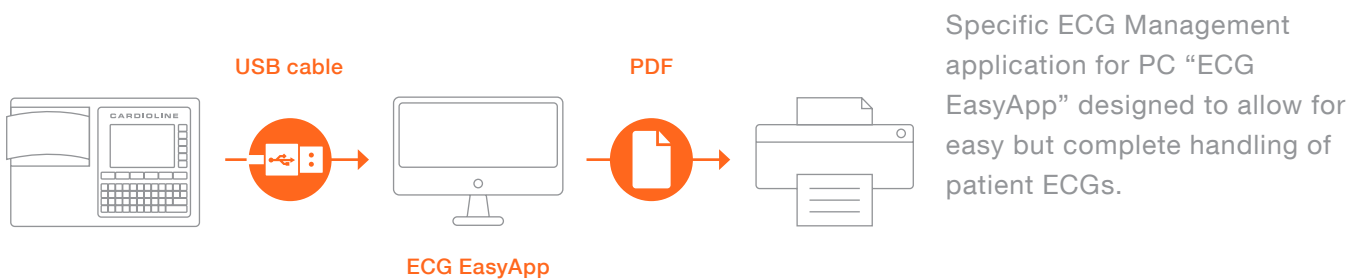
- Effective and powerful 12 lead Diagnostic Electrocardiograph, optimizes ECG workflow thanks to a smart user interface and connectivity to dedicated ECG management systems.
- Quick ECG acquisition for fast and easy operation. Highly accurate measurements exceeding the most stringent standards and

international recommendations.

- 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.
- ECG formats: SCP, PDF.
- Glasgow ECG Interpretation Option for adult and pediatric patients.
- Optional GDPR module, allows complete protection of sensitive data stored on the electrocardiograph by means of a strong authentication module installed 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.)<br>50/60 Hz AC interference adaptive digital filter<br>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  |



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

