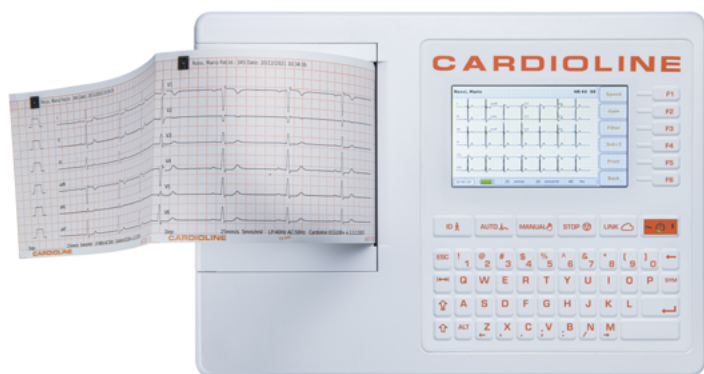# CARDIOLINE

Enter the Cardioline world

ECG100+
The 12 lead Electrocardiograph for your Hospital

- Effective and powerful 12 lead Diagnostic Electrocardiograph, optimizes Hospital ECG workflow thanks to a smart user interface and seamless data integration.

- Quick ECG acquisition for fast and easy operation. Highly accurate measurements exceeding the most stringent standards and international recommendations.

- ECG formats: SCP, PDF-GDT-XML. DICOM (internally generated) and HL7 are optional.

- Maximum networking through LAN, Wi-Fi (optional) connectivity and USB port, ensuring seamless plug and play communication. Direct patient demographic data import and ECG export to dedicated management systems, HIS or PACS.

- 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 means of strong authentication on the device.

- Dedicated Hospital grade cart.

CARDIOLINE

Technical specifications

ECG channels	12-Lead (I, II, III, aVR-L-F, V1-6)
Patient cable	Standard 15D, 10 wires
CMRR	> 100dB
Input impedance	100MΩ
Sampling rate of the input stage	24bit, 32000 samples/second/channel
Output data resolution	1µV/LSB
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 standard
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 • XML-GDT Included in standard connectivity option
	DICOM Included in DICOM connectivity option • HL7 optional
Battery	Battery type: NiMh; Battery duration: more than 500 ECGs and more than 5 hours

Optional GDPR module, allows complete protection of sensitive data stored on the electrocardiograph by strong authentication on the device.

Maximum networking through LAN, Wi-Fi connectivity and USB port, ensuring seamless plug and play communication. Direct patient demographic data import and ECG export to dedicated management systems, HIS or PACS.

HIS/PACS systems

ECGWebApp