

**CARDIOLINE**

# Enter the Cardioline world

## TouchECG HD+ Windows



### HD+ Acquisition Unit

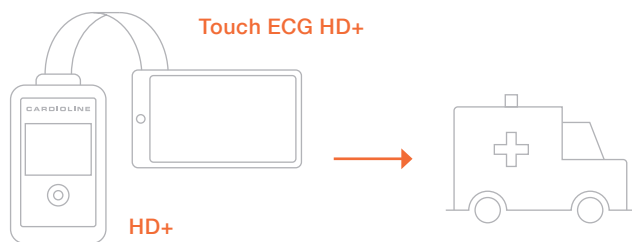
- Comfortable, lightweight, wireless, fully diagnostic 12 lead ECG acquisition unit.
- Extremely high signal quality with very low noise. Exceeds the most stringent standards for ECG acquisition (AAMI, AHA).
- Continuous hardware detection for optimal pacemaker recognition.
- Extremely easy to use - 1 button, 1 led.
- Water and dust protected (IP42 with silicon shell) and drop proof (1 meter, all angles).
- Low power consumption technology allows for more than 10 hours of continuous usage (greater than 500 ECG's).

### TouchECG Windows

- Next generation PC ECG application, designed for touch screen tablets and laptops.
- Allows simultaneous view of 12 lead high quality signals on screen, and rhythm strip of continuous acquisition (up to 30 minutes).
- Fully integrated with Hospital PACS and HIS through bidirectional DICOM data flow.
- Supports SCP, PDF, GDT data transfer, HL7 protocol (optional). Natively integrates to the Cardioline WebApp application, our ECG management system for editing and storage, totally based on Web technology.
- Optional use of Glasgow algorithm for ECG interpretation for adult, pediatric and neonates. Extremely accurate STEMI detection.

### Technical Specifications

ECG leads	12-leads (I, II, III, aVR-L-F, V1-6)
Patient cable	Replaceable 10 wire patient cable
CMRR	115dB
DC input impedance	100MΩ
A/D converter	24 bit 32000 samples/second/channel
ECG resolution	< 1μV/LSB - 1000 samples/second/channel
Dynamic range	+/- 400 mV
High frequency response	Performance equivalent to 0,05-300 Hz
Pacemaker detection	Hardware detection coupled with digital convolution filter
Filters	Linear phase digital diagnostic high-pass filter (according 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
Exported formats	SCP-PDF-XML-GDT Standard format DICOM Included in DICOM connectivity option HL7 Optional
Operating system	Windows 7, Windows 8.1, Windows 10
Sampling rate	1000 Hz
Data transfer	Bluetooth 2.1+ EDR with "secure pairing"
Memory	Internal archive stores up to 1000 ECG's



Advanced display, intuitive operator interface and functional design. Can be used with a Rugged tablet solution, ideal for emergency applications. Instantly allows for sending a first patient diagnosis enroute to the emergency room.

Exam transmission from TouchECG to a reporting ECG center with Cardioline ECGWebApp or other ECG management platforms that can be integrated for analysis and reporting. Ideal for Tele-Healthcare applications.

