CARDIOLINE

Enter the Cardioline world

touchECG System - DIGITAL PREMIUM configuration

The top performance hospital grade ECG cart

A lightweight, mobile and ergonomic system equipped with stylish compact components, combined with a simplistic Touchscreen workflow, delivering a Patient & Clinician centric Solution, at home in High Acuity Hospitals Departments.

- 12/15 lead electrocardiograph (+ 3 Frank) designed for heavy use in the hospital ward

- Robust, easy to transport, long lasting battery

- Large touch-screen color display for quick and intuitive operation, even with gloves. Fully integrated, high resolution A4 thermal printer

- Lightweight and robust wireless acquisition unit (USB is optionale), comfortable for patient and ease of use for technician

- Automatic, manual, scheduled and STAT ECG acquisition. Continuous ECG acquisition up to 30 minutes, with the ability to select 10 seconds segments at any time. Automatic adult, pediatric and neonatal interpretation by the Glasgow University algorithm

- X, Y, Z Frank leads with vectorcardiography loops

- Native integration to Cardioline's ECGWebApp platform, the ECG management system for editing and storage, totally based on web technology

- LAN and Wi-Fi connectivity for seamless and bidirectional communication with HIS and PACS in SCP, PDF-GDT-XML formats. DICOM internally generated and integrated; HL7 optional. Evolved and personalized management of the patient Worklist

- GDPR compliant

Technical specifications

ECG leads	12/15 contemporary leads (I, II, III, aVF, aVR, aVL, V1, V2, V3, V4, V5, V6, E1-3, X, Y, Z)
CMRR	> 1100 dB
DC Input Impedance	> 100 MΩ
A/D Converter	24 bit, 128.000 samples/second/channel
ECG Resolution	< 1μV/LSB, 128.000 samples/second/channel
Dynamic Range	+/- 500 mV
Bandwidth	Performance equivalent to 0,05-300 Hz
Pacemaker Detection	Software detection for 128.000 samples/second/channel; pulse duration range: 0,2 ms - 2 ms; pulse size range: 2 mV - 250 mV. Exceeds IEC standards 606011-2-25:2011
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
Connectivity	LAN, WiFi, USB
Exported Formats	SCP-PDF-XML-GDT standard configuration
	DICOM optional
	HL7 optional
Automatic Interpretation	University of Glasgow: Adult, pediatric and neonatal
Screen	16:9 format, Led, 19.5 inches, color touch screen, 1600 x 900
Printer	Thermal, A4 format, resolution 8 points/mm, pack paper
Keyboard	Silicone, completely washable, immersable
Autonomy	More than 8 hours

Touch Screen 19,5 inches

Rotating arm with 3 degress of freedom

Integrated A4 thermal printer

Extendable support for paper

Storage shelfs

Support for barcode scanner

Support surface for mouse and keyborad

Wheels with brake system