



touchECG System - Digital Premium

The high-performance
electrocardiograph for hospital use

touchECG System Digital Premium is the ultimate ECG solution for high-intensity hospital environments. Designed to ensure high performance and operational continuity, it combines ergonomics, speed and reliability in a fully integrated configuration.

The thermal printer built into the cart makes it a ready-to-use tool.



OPERATIONAL WHEREVER YOU NEED IT

The system, equipped with a touch screen display and user-friendly interface, allows simultaneous display of 12 or 15 leads, and provides a continuous rhythm trace for up to 30 minutes. Its high autonomy and integrated cart configuration allow the station to be easily moved within wards, ensuring operational continuity even in high-intensity situations.



DISPLAY

touchECG System Digital Premium integrates into hospital workflows with the always-on Wi-Fi and LAN connectivity, and two-way communication with HIS and PACS systems. The ECGWebApp platform allows ECG management, storage and reporting from a browser, anywhere and securely.

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touchECG Windows

Advanced features: electrode reversal detection, arrhythmia analysis, and pacemaker display for accurate diagnoses and optimal clinical results.

Integrated connectivity: full compatibility with hospital PACS and HIS systems thanks to bidirectional DICOM data flow; supports SCP, PDF, GDT and, optionally, HL7 formats for flexible data integration.

ECG management via browser: native integration with ECGWebApp for secure editing, data storage and reporting on a fully browser-based platform.



HD+/HD+12/HD+15 acquisition unit

Lightweight and durable design: wireless, robust and ergonomic device for patient comfort and operator convenience.

Flexible connectivity: uninterrupted data transmission via wireless connection or optional USB cable.

Advanced portability: single-button activation, water and dust protection (IP42 with silicone shell), and drop resistance up to 1 metre from any angle.



Technical specifications

ECG leads	12 leads (I, II, III, aVR-L-F, V1-6) or 15 leads (I, II, III, aVR-L-F, V1-6, E1-3)
Patient cables	10-wire patient cable (HD+, HD+ 12 HD+ 15) or 13-wire (HD+ 15) replaceable
CMRR	> 100 dB
Input impedance	>100 MΩ
A/D sampling	24bit, 128,000 samples per second per channel
ECG resolution	<1 μV/LSB
Dynamic range	+/- 500 mV
Bandwidth	Performance equivalent to 0.05-300 Hz
Pacemaker detection	Available
Filters	Diagnostic linear phase digital pass filter (compliant with 60601-2-25 2nd ed) 50/60 Hz digital AC interference adaptive filter 25/40/150 Hz digital low-pass filter (for printing and display)
Defibrillator protection	AAMI/IEC standard
HD+ performance	ANSI/AAMI IEC 60601-2-25:2011, compliant with EN 1789 (ambulances) and EN 60601-1-11 (home care)
Acquisition mode	Automatic, Manual, Stat, Review
Lead configuration	Standard or Cabrera
Memory	Internal memory up to 1,000 ECGs
ECG interpretation	Glasgow interpretive programme for adults, children and STEMI (optional)
Export	SCP (Cardioline format), PDF, .xml, GDT, DICOM and HL7 (optional)
Operating system	Windows 10, Windows 11
Data transfer	Bluetooth Low Energy (BLE)