

DIGITAL 3-CHANNEL ECG · EKG SERIES · CARDIOLOGY

PCB-EKG-01

ABOUT THE PCB-EKG-01

Engineered for everyday outpatient cardiology.

The **PCB-EKG-01 Digital 3-Channel ECG** is a high cost-effective electrocardiograph designed for outpatient clinics, primary care and cardiology rooms that need reliable, fast and portable electrocardiography.

At just **1.3 kg**, it is one of the lightest 3-channel ECG machines on the market. A **5-inch LCD screen** with grid background displays clean waveforms, while a **32,000 Hz sampling rate** combined with **24-bit A/D conversion** preserves every fine detail of the trace.

Case management is fully digital: **≥1,000 case internal storage**, historical report query and management, and paperless electronic records. Reports export in **HL7, XML, PDF, PNG, JPG, DICOM, GDT and ZQECG** — ready for any EMR, PACS or referral workflow.

Reliable, portable and ready to serve — the PCB-EKG-01 delivers hospital-grade ECG in an outpatient form-factor.



1.3 kg · truly portable

One of the lightest 3-channel ECG machines on the market. Easy to move between rooms or take to bedside without a cart.



32 kHz · 24-bit resolution

High-fidelity signal acquisition preserves every micro-detail of the trace — critical for arrhythmia detection and interval measurements.

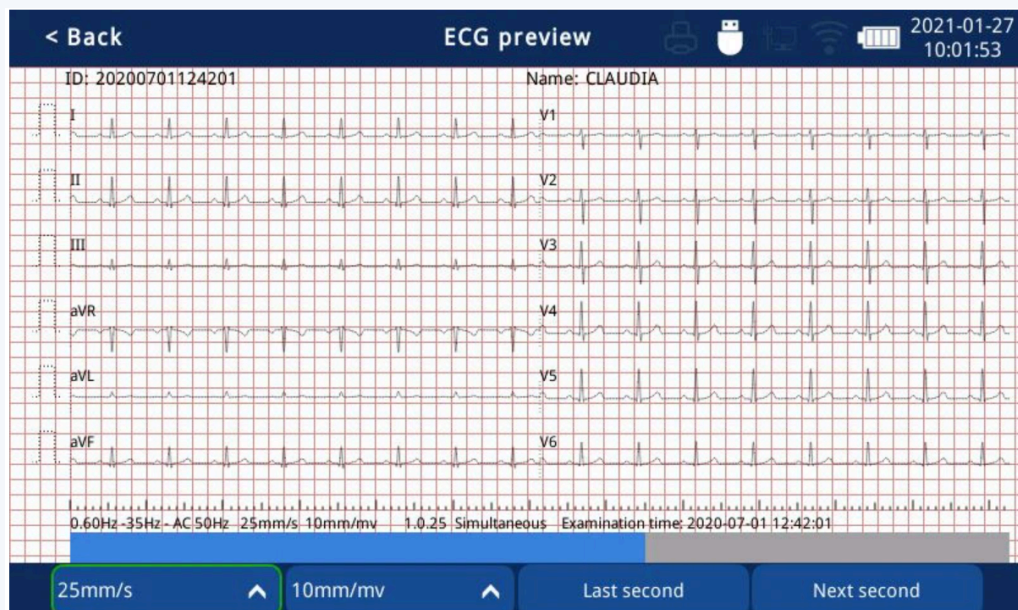


1,000 cases · 8 formats

Paperless internal storage with multi-format export (HL7, XML, PDF, DICOM, GDT, JPG, PNG, ZQECG) for EMR, PACS and referral integration.

5" LCD INTERFACE

Clear waveforms for confident diagnosis.



ON-SCREEN CAPABILITIES

ECG PREVIEW + EDIT

- Ensure signal quality before print
- Adjust waveform display parameters
- Edit interpretations inline
- Confirm and sign to close the case

12-LEAD SIMULTANEOUS VIEW

- Standard I, II, III · aVR, aVL, aVF
- Precordial V1 – V6 leads
- Live grid, timestamp, patient ID
- 25 mm/s and 10 mm/mV standard

AUTO-INTERPRETATION

- Sinus rhythm detection
- Normal ECG classification
- Arrhythmia hints
- Heart rate · PR · QRS · QT/QTc

REPORT MANAGEMENT

- Query by Today · 3 days · 1 week · All
- Full case list: ID · Name · Gender · Type · Status
- Preview, delete, transfer, refresh
- Local + workstation storage

TECHNICAL DATA

Complete specifications.

SIGNAL ACQUISITION

- Type: Digital 3-channel ECG
- Channels: 3
- Patient range: Adult · Pediatric · Newborn
- Sampling rate: 32,000 Hz
- A/D conversion: 24-bit
- Display: 5" LCD · grid background
- Speed: 25 mm/s (adjustable)
- Sensitivity: 10 mm/mV (adjustable)
- Frequency response: 0.05 – 150 Hz

DATA & MEMORY

- Storage: $\geq 1,000$ cases
- Report management: Query by day/period
- Formats: HL7 · XML · PDF · PNG · JPG
- Formats: DICOM · GDT · ZQECG
- Preview: Signal quality assessment
- Auto-interpretation: Sinus rhythm · arrhythmia hints
- Measurements: HR · PR · QRS · QT · QTc · Axis
- Records: Paperless electronic case records

PHYSICAL & POWER

- Weight: 1.3 kg
- Weight class: Lightest 3-ch on market
- Printer: Built-in thermal · roll paper
- Function keys: 9 dedicated (Speed · Gain · Filter)
- Function keys: (File · Menu · ID · Manual · Rhythm · Lead)
- Interfaces: USB · Ethernet · Serial
- Power: AC 100 – 240 V · 50/60 Hz
- Certifications: CE · ISO 13485



Thermal printer with auto-interpretation

Built-in high-resolution thermal printer produces standard 12-lead reports with automatic interpretation directly on paper — sinus rhythm classification, arrhythmia hints, heart rate, PR, QRS, QT/QTc and axis measurements.

- Standard 12-lead ECG format
- Confirm and sign area at report bottom
- Roll paper design minimizes consumable cost

Report management						
< Back Today Three days One week All 15						
	ID	Name	Gender	Type	Status	
1	20200701124201	CLAUDIA		ECG-12	📶	☐
2	20200701124105	DESDEMONA		ECG-12	📶	☐
3	20200701123933	CECILIA		ECG-12	📶	☐
4	20200701123845	DANA		ECG-12	📶	☐
5	20200701123658	JACK		ECG-12	📶	☐
Preview Delete Local Transfer Refresh						

QUALITY & COMPLIANCE

Manufactured under international quality standards.

We develop and commercialize medical equipment under our own standards, supported by partnerships within a global production network and a strategic sourcing approach, which allows us to offer our distributors reliable, competitive solutions ready for international markets.

From product definition and technical specifications to branding, packaging, and documentation, we control every critical aspect of the process.

We have a service department in Asia and the United States that provides multilingual and immediate technical support, ensuring operational continuity for our distributors and their end customers.

USED ACROSS OUTPATIENT AND CARDIAC CARE

Outpatient Clinic

Primary Care

Cardiology

Emergency

Home Visit

Rural Clinic

Pediatrics

Screening