



The Contec ECG1200G is a 12-lead digital electrocardiograph featuring an 8-inch display, automated ECG analysis, and built-in thermal printer. It simultaneously acquires all 12 leads, supports multiple print formats and paper speeds, stores up to 1,000 cases in memory, and is designed for use in hospitals, clinics, and home visits.

Simultaneous 12-Lead Acquisition with Advanced Digital Signal Processing

The ECG1200G captures all 12 leads simultaneously using synchronised digital signal processing that incorporates power frequency filtering, baseline filtering, and EMG interference filtering. The result is a high-quality ECG waveform with a frequency response of 0.05 Hz to 150 Hz, input impedance $\geq 50 \text{ M}\Omega$, CMRR $>100 \text{ dB}$ with filter active, and a noise level of $\leq 15 \text{ }\mu\text{Vp-p}$. The 8-inch screen displays 3, 6, or 12 leads simultaneously alongside print mode, sensitivity, paper speed, and filter state, allowing

the clinician to make comparative assessments without switching views. Floating input and defibrillation protection are built in, and the device meets Class I CF applied part safety classification.

Automated Analysis, Flexible Print Formats, and 1,000-Case Memory

The ECG1200G provides automated measurement and diagnosis for all routine ECG parameters — including HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), and R(V5)+S(V1) — reducing clinical workload and supporting faster diagnostic decisions. Multiple print formats are available including auto 12×1, 6×2+1, 6×2, 3×4+1, 3×4+2, and rhythm modes (12, 10, 8, 6 lead). Paper speed is selectable from 5 to 50 mm/s and sensitivity from 2.5 to 40 mm/mV. The built-in thermal printer uses 210 mm × 20 m high-speed thermal paper. Up to 1,000 cases are stored in internal memory for review and statistics, and trend charts and histograms of P-R interval can be printed. The device supports 12 interface languages including English, French, German, Portuguese, Spanish, and Russian.

Suitable for Hospital, Clinic, and Outreach Use

In optimal DC state, the ECG1200G delivers up to 10 hours of standby time and more than 3 hours of continuous printing, making it well suited to patient home visits, community screening programmes, and ward rounds where mains power may not be available. Optional accessories include ECG-Sync software with USB cable, a carry bag, 3G and Wi-Fi cards, and a remote operation guide, extending the device's connectivity and portability for mobile clinical use.

Technical Specs Table:

Specification	Value
Model	ECG1200G
Brand	Contec
Leads	12 (simultaneous acquisition)
Display	8-inch screen
Frequency Response	0.05 Hz – 150 Hz (-3 dB)
Input Impedance	≥ 50 MΩ
CMRR	>60 dB; >100 dB (with filter)

Specification	Value
Noise Level	$\leq 15 \mu\text{Vp-p}$
EMG Filter	35 Hz (-3 dB)
Paper Speed	5, 6.25, 10, 12.5, 25, 50 mm/s ($\pm 5\%$)
Sensitivity	2.5, 5, 10, 20, 40 mm/mV ($\pm 5\%$)
Recording Paper	210 mm $\times$ 20 m thermal paper
Memory	Up to 1,000 cases
Battery Life	≤ 10 h standby; > 3 h continuous print
Patient Leak Current	$< 10 \mu\text{A}$
Safety Classification	Class I, CF applied part
Languages	12 (incl. English, French, German, Spanish, Portuguese, Russian)
Dimensions	340 mm $\times$ 320 mm $\times$ 85 mm
Net Weight	3.2 kg

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