

CONTEC™



ECG300G-VET THREE CHANNEL ECG

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ECG300G-VET is an electrocardiograph collecting 12-lead ECG signal simultaneously and printing ECG waveform with thermal printing system, which features in, recording and displaying ECG waveform with manual or auto mode, measuring ECG waveform parameters automatically, prompting for "Lead off" and "Lack of paper", optional interface languages, case database management.

Features

- Color TFT displays 3/6/12-lead ECG waveform and work state in a screen, convenient for contrastively diagnosing.
- Synchronously collect up to 12-lead ECG signal, powerful digital filter provides signal or combined filter mode, such as baseline filter, AC filter and EMG filter, which helps eliminate interference and obtain higher quality ECG easily.
- Design with several auto-print modes and flexible manual print mode; waveform length to be printed can be adjusted, and with the function of time print, which meets different requirements.
- With the functions of auto-analysis and auto-diagnosis for routine ECG parameters, provide measurement results and auto-diagnosis conclusion for HR, P-R interval, P Duration, QRS Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5), S(V1), R(V5)+S(V1), etc. which helps read ECG.
- AC and DC are optional, in optimal DC state, built-in rechargeable lithium battery can continuously work for 10-hour, print up to 3-hour and 260-ECG, which meets the requirements for visiting a patient at home and examination.
- Built-in memorizer can store up to 1000 cases, which is convenient for doctor to review case and statistic.
- Optional 13 interface languages and reports, such as Chinese, English, Spanish, Turkish, Polish, Italian, French, German, Portuguese, Kazakhstan, Russian, which meets different requirements.

Accessories

Lead cable.....	1 set
Veterinary ECG clip.....	1 set
Thermal recording paper.....	1 set
Power cord	1 set
Earth wire.....	1 set
User manual.....	1 set



Optional

ECG-Sync software, connect with PC by USB2.0 interface to form a ECG workstation, collect real-time data to the software for analyzing and printing the report, and archives stored in ECG can be uploaded to PC. Optional analysis functions for frequency domain ECG, high-frequency ECG, QT dispersion and HRV.

Technical parameters

- **Safety classification:** class I, type CF and defibrillation-proof applied part
- **Lead:** standard 12-lead
- **Input mode:** Floating, defibrillation protection and pacemaker pulse rejection circuit.
- **Patient leak current:** <math> < 10 \mu A </math>
- **Sampling frequency:** 1000Hz
- **A/D conversion:** 12bit
- **Frequency response:** 0.05Hz~150Hz (-3dB~+ 0.4dB)
- **Time constant:** $\geq 3.2s$
- **CMRR:** >60dB, >100dB(Add filter)
- **Polarization voltage:** $\pm 500mV$
- **Noise level:** $\leq 15 \mu Vp-p$
- **EMG interference filter:** 25Hz/35Hz (-3dB)
- **AC filter:** 50Hz/60Hz ($\geq 20dB$)
- **Recording mode:** Thermal printing system(8 dots/mm)
- **Specification for recording paper:** 80mm(W) \times 20m(L), high-speed thermal paper
- **Sensitivity:** 2.5mm/mV, 5mm/mV, 10mm/mV, 20mm/mV, 40mm/mV, auto
- **Paper speed:** 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s
- **Power supply:**
 - AC: 100~240V, 50/60Hz
 - DC: 7.4V, 3700mAh lithium battery
- **Fuse specification:** two AC time-delay fuses, T1.6AL250V
- **Dimension:** 315mm(L) \times 215mm(W) \times 77mm(H)
- **Net weight:** 1.6Kg

CONTEC reserves the right of product appearance, specifications and function modification and updating, without prior notification.

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