

CONTEC™

「CARE HEALTH CARE LIFE」



LIGHT THE RHYTHM OF LIFE WITH TECHNOLOGY



ECG300G-VET ELECTROCARDIOGRAPH

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ECG300G-VET

ELECTROCARDIOGRAPH



3 - channel ECG



Multi - language interface



Auto-analysis report



Accurate and efficient



Real-time print



Veterinary monitoring



ECG300G-VET is an Electrocardiograph which can collect 12-lead ECG signal simultaneously and print waveform by thermal printing system. It features in, recording and displaying ECG waveform in AUTO/Manual mode, measuring and diagnosing ECG waveform parameters automatically, prompting for “Lead off” and “Lack of paper”, multi-language interface, AC/DC, optional rhythm lead that convenient to observe abnormal heart rhythm, case database management, etc.

Function

- ◆ Sync collection, adopt digital signal processing technology and get high-quality ECG waveform via power frequency filter, base-line filter and EMG filter of ECG signal.
- ◆ Display of 3/6/12-lead ECG, print mode, sensitivity, paper speed and filter state, etc. on one screen, convenient for contrastively diagnosing.
- ◆ Multiply printing modes and formats, including manual, auto 4x3, auto 3x4+1, auto 3x4, auto 2x6+1, auto 2x6, auto 3-2+1, auto 3-2, auto 1x12+1, auto 1x12, rhythm 4, rhythm 3, rhythm 2, etc. Waveform length printed can be adjusted, and with timed print function, which meets different requirements.
- ◆ Build-in large capacity memory stores at least to 1000 cases, which is convenient for doctor to review case and statistic.
- ◆ Multi- language(Chinese, English, Spanish, Turkish, Polish, Italian, French, German, Portuguese, Russian, Ukrainian, Serbian, Vietnamese, Slovenian, Slovak, Bulgarian and Nigerian language) interface and report.

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LOT 18.ECG300G VET three Channel ECG Machine,Veterinary Electrocardiograph, CONTEC

1.Introduction

ECG300G-VET is a three channel electrocardiograph sampling ECG signals simultaneously and printing ECG waveform with thermal printing system, which features in, record and display ECG waveform in manual or auto-mode, promptings for “Lead off” and “Lack of paper”, multiple languages interface, support both AC and DC for power supply, optional rhythm lead that convenient for abnormal heart rate observation, case database management, etc.

2.Features

- 1)Sync sampling, digital signal processor, gets better quality ECG waveform by ECG signals filtering through the power frequency filter, baseline filter and EMG filter.
- 2)Display 3/6/12-lead ECG waveform, and states of print mode, sensitivity, paper speed, filter, etc. in one screen, convenient for contrastively diagnosing.
- 3)Multi-print mode and format: manual and automatic 4×3, auto 3×4+1, auto 3×4, auto 2×6+1, auto 2×6, auto 3-2+1, auto 3-2, auto 1x12+1, auto 1x12, rhythm 4, rhythm 3 and rhythm2, etc. Waveform length can be adjusted and timing print function is available, which meets the need of different applications.
- 4)Built-in high-capacity memorizer can store up to 1000 cases, which is convenient for doctor’s review and statistic.
- 5)The interface languages including: Chinese, English, Spanish, Turkish, Polish, Italian, French, German, Portuguese, Kazak Tili, Russian, Ukrainian, Serbian and Slovenian. Also the reports can be printed in all languages above.

3.Performance

Input mode: Floating and defibrillation protection

Frequency response: 0.05Hz~150Hz (-3dB~+0.4dB)

CMRR: >60dB, >100dB (Filter ON)

Time constant: $\geq 3.2s$

Patient leak current: $< 10\mu A$

Calibration voltage: 1mV

Sensitivity choice: 2.5/5/10/20/40mm/mV, error: $\pm 5\%$. Standard sensitivity: 10mm/mV, error: $\pm 2\%$

Noise level: $\leq 15\mu V_{p-p}$

Input loop current: $\leq 50nA$

Input impedance: $\geq 50M\Omega$

Sampling accuracy: 12bit

Security type: CF type of class I , anti-defibrillation applied part

Recording way: Thermal printing system

Auto record: record according to auto-record format and auto-mode settings, auto switch lead, auto measurement and analysis

Rhythm record: record according to rhythm record format and rhythm mode settings, auto measurement and analysis

Manual record: record according to record format, manually switch lead

Specification of recording paper: 80mm(W) × 20mm(L) High-speed thermal paper

Sampling rate: 1000Hz

EMG interference filter: 25Hz/35Hz (-3dB)

Power frequency filtration: AC 50Hz/60Hz (-20dB)

Paper speed: Auto mode: 5/6.25/10/12.5/25/50mm/s, error: $\pm 5\%$

Rhythm mode: 5/6.25/10/12.5/25/50mm/s, error: ±5%

Manual mode: 5/6.25/10/12.5/25/50mm/s, error: ±5%

Power supply: AC: 100V~240V(50/60Hz)

DC: Rechargeable lithium battery 7.4V/3700mAh

Fuse specification: $\phi 5 \times 20$ mm, 2 pieces; AC time lag; T1.6AL250V

Anti-deleterious fluid degree: IPX0

Working mode: continuous operation device

Dimension: 315mm(L) \times 215mm(W) \times 77mm(H)

Net weight: 1.6Kg

4.Accessories

Standard:

1. Lead cable 1piece
2. Limb electrode clamp 1 set
3. Recording paper 1 roll
4. Power cord 1 piece
5. Ground wire 1piece
6. User manual 1 piece **(GB only) on request for other Language**

Optional:

1. Bag

5.Physical characteristic

Dimension: 315mm(L) \times 215mm(W) \times 77mm(H)

Weight: 1.6Kg

Working environment:

Temperature: 5°C~40°C

Relative humidity: 25%~95% (no condensation)

Atmospheric pressure: 700hPa~1060hPa

Storage environment:

Temperature: -40°C~55°C

Relative humidity: $\leq 95\%$

Atmospheric pressure: 500hPa~1060hPa