

# EDAN

## VE-100/VE-300 Veterinary Electrocardiograph



### VE-100 Single-Channel ECG

- Single-channel ECG
- Complete digital and portable design
- Vivid waveform display
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Auto/Manual work mode selectable
- Lead-off detection and display
- Complete digital filtering, resisting baseline drift, AC and EMG interference
- Baseline automatically adjustable to optimize printing position
- High-resolution thermal printing

### VE-300 Three-Channel ECG

- Complete digital and portable design
- Vivid waveform display
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Auto/Manual work mode selectable
- Lead-off detection and display
- Complete digital filtering, resisting baseline drift, AC and EMG interference
- Baseline automatically adjustable to optimize printing position
- High-resolution thermal printing
- Communication interface: Ethernet/RS232/USB
- PC-based ECG data management software (optional)



Import

Export



VE-300

Ethernet  
RS232

Smart ECG Viewer

Report Printing



Care for Health

# VE-100/VE-300

## Single/Three-channel ECG

Veterinary Electrocardiograph



	VE-100 Single Channel ECG	VE-300 Three Channel ECG
Input Circuit	Protection from defibrillation	
Lead	Standard 7 leads	
Acquisition	Single lead	7 leads simultaneously
A/D Resolution	12 bits	
Measurement Range	$\pm 5$ mVpp	
Time Constant	$\geq 3.2$ s (0, $\pm 20\%$ )	
Frequency Response	0.05 Hz~150 Hz	
Calibration Voltage	1mV $\pm 3\%$	
Sensitivity	2.5, 5, 10, 20 (mm/mV)	
Input Impedance	$\geq 10$ M $\Omega$	$\geq 50$ M $\Omega$
Input Circuit Current	$\leq 50$ nA	
Noise Level	$\leq 15$ $\mu$ Vp-p	
Anti Baseline Drift	Automatic	
Patient Leakage Current	$\leq 10$ $\mu$ A (220 V~240 V)	
Patient Auxiliary Current	$\leq 0.1$ $\mu$ A (DC)	
Filters	EMG Filter: 35 Hz (-3 dB) AC/DFT Filter: 50Hz/60 Hz (-20 dB)	EMG Filter: 25 Hz/35 Hz/45 Hz/OFF DFT Filter: 0.05/0.15/0.25/0.5 Hz Lowpass Filter: 150 Hz/100 Hz/75 Hz AC Filter: 50 Hz/60 Hz
CMRR	$>90$ dB	$\geq 110$ dB
Recording Modes	Auto/Manual	Auto/Manual/Rhythm/OFF/USBPR
Rhythm Lead	single lead selectable	
Safety Standard	IEC 1/CF	
Power Supply	AC: 100 V-115 V/220 V-240 V, 50/50 Hz Built-in rechargeable Li-ion battery More than 3 hrs continuous work under battery supply	
Thermal Recorder	Thermal dot array, 8 dots/mm vertical	
Recording Paper	50 mm x 30 m	80 mm x 20 m
Recording Speeds	25 mm/s, 50 mm/s ( $\pm 3\%$ )	5 mm/s, 6.25 mm/s, 10 mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s ( $\pm 3\%$ )
Dimension	300 mm x 260 mm x 75 mm	
Weight	2.3 kg (with battery)	2.5 kg (with battery)
Display	192 x 64 dots LCD	192 x 64 dots LCD
External Input/Output	Input: $\geq 100$ k $\Omega$ ; Sensitivity 10 mm/V $\pm 5\%$ Output: $\leq 100$ $\Omega$ ; Sensitivity 1 V/mV $\pm 5\%$	
Communication Interface	RS232	Ethernet, RS232, USB

**EDAN** Edan Instruments, Inc.

• 3/F – B, Nanshan Medical Equipment Park, Nanhai Rd 1019#, Shekou, Nanshan, Shenzhen, 518067 P.R. China  
• Tel: +86-755-26898326 • Fax: +86-755-26898330 • www.edan.com.cn • Email: info@edan.com.cn

• All rights reserved. Features and specifications are subject to change without notice.



ENG-ECG-VE-100/VE-300-V1 2-20120830