

VE-100/VE-300

Veterinary Electrocardiograph

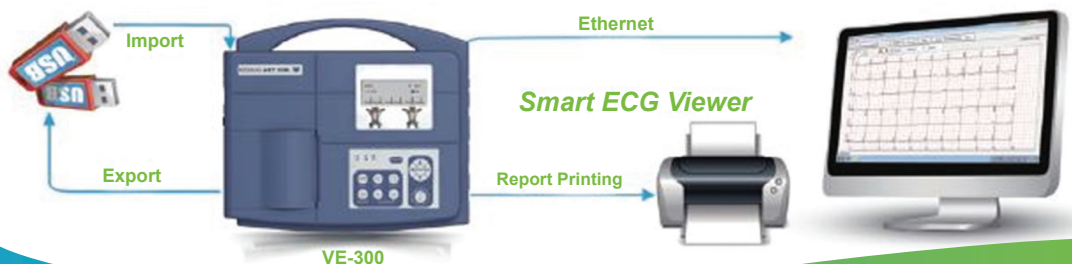


VE-100 Single-Channel ECG:

- 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:

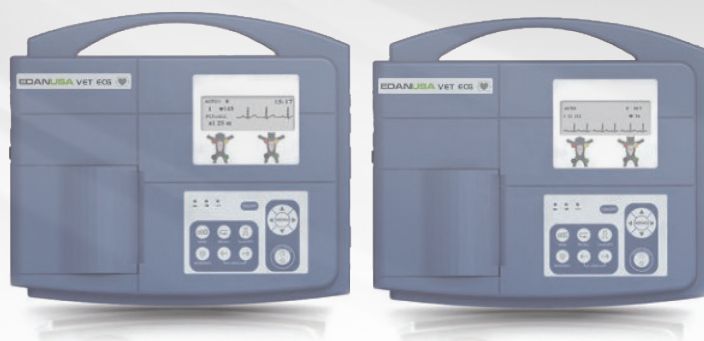
- Complete digital and portable design
- Vivid waveform display
- Built-in rechargeable Li-ion battery, AC/DC power supply
- Auto/Manual work mode selectable
- Lead-off detection and display
- Complete digital filtering, resisting baseline drift, AC and EMG interference
- Baseline automatically adjustable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



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	$\pm 5\text{mVpp}$	
Time Constant	$\geq 3.2\text{s}$	
Frequency Response	0.05Hz ~ 150Hz	
Calibration Voltage	1mV $\pm 3\%$	
Sensitivity	2.5, 5, 10, 20 (mm/mV)	
Input Impedance	$\geq 10\text{m}\Omega$	$\geq 50\text{m}\Omega$
Input Circuit Current	$\geq 50\text{nA}$	
Noise Level	$\geq 15\mu\text{Vp-p}$	
Anti Baseline Drift	Automatic	
Patient Leakage Current	$\leq 10\mu\text{A}$ (220V~240V)	
Patient Auxiliary Current	$\leq 0.1\mu\text{A}$ (DC)	
Filters	EMG Filter: 35Hz (-3dB) AC/DFT Filter: 50Hz/60Hz (-20dB)	EMG Filter: 25Hz/35Hz/45Hz/OFF DFT Filter: 0.05/0.15/0.25/0.5Hz Lowpass Filter: 150Hz/100Hz/75Hz AC Filter: 50Hz/60Hz
CMRR	$>90\text{dB}$	$>100\text{dB}$
Recording Modes	Auto/Manual	Auto/Manual/Rhythm/OFF/USBPRT
Rhythm Lead	single lead selectable	
Safety Standard	IEC 1/CF	
Power Supply	AC: 100V-115V/220V-240V, 50/50Hz 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	50mm x 30m	80mm x 20m
Recording Speeds	25mm/s, 50mm/s ($\pm 3\%$)	5mm/s, 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s ($\pm 3\%$)
Dimension	300mm x 260mm x 75mm	
Weight	2.3kg (with battery)	2.5kg (with battery)
Display	192 x 64 dots LCD	192 x 64 dots LCD
External Input/Output	Input: $\geq 100\text{k}\Omega$; Sensitivity 10mm/V $\pm 5\%$ Output: $\leq 100\Omega$; Sensitivity 1V/mV $\pm 5\%$	
Communication Interface	RS232	Ethernet, RS232, USB