



VE-300

Veterinary Electrocardiograph



- Complete digital and portable design
- Vivid waveform display
- Built-in rechargeable Li-ion battery
- 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)



Swift Series Plus

Specifications



Three Channel ECG	
Input Circuit	Protection from defibrillation
Lead S	standard 7 leads
Acquisition	7 leads simultaneously
A/D Resolution	12 bits
Measurement Range +	$\pm 5\text{mVpp}$
Time Constant >	$\leq 3.2\text{s}$
Frequency Response	0.05Hz ~ 150Hz
Calibration Voltage 1	mV $\pm 3\%$
Sensitivity 2	.5, 5, 10, 20 (mm/mV)
Input Impedance	$\geq 50\text{m}$
Input Circuit Current >	$\leq 50\text{nA}$
Noise Level >	$\leq 15\mu\text{Vp-p}$
Anti Baseline Drift A	automatic
Patient Leakage Current	$\leq 10\mu\text{A}$ (220V~240V)
Patient Auxiliary Current <	$\leq 0.1\mu\text{A}$ (DC)
Filters	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	$>100\text{dB}$
Recording Modes A	Auto/M anual/Rhythm/OFF/USB/PRT
Rhythm Lead	single lead selectable
Safety Standard I	IEC 1/CF
Power Supply M	AC: 100V \sim 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	80mm x 20m
Recording Speeds	5mm/s, 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s ($\pm 3\%$)
Dimension	300mm x 260mm x 75mm
Weight 2	1.5kg (with battery)
Display	192 x 64 dots LCD
External Input/Output I	Input: $\geq 100\text{k}$; Sensitivity 10mm/V $\pm 5\%$ Output: ≤ 100 ; Sensitivity 1V/mV $\pm 5\%$
Communication Interface	Ethernet, RS232, USB