

Cardiomaq 300V

Veterinary 3-channel Electrocardiograph with ECG Monitor and Measuring ECG



- Digital veterinary electrocardiograph with measuring ECG parameters
- Automatic ECG parameters measurement and analysis
- 7 leads simultaneous acquisition
- LCD display of ECG waveform and configurable parameters
- High resolution thermal printer
- Recording mode: auto, manual, rhythm, off, USB-port
- Support USB ink-jet printer for ECG waveforms printing
- Built-in rechargeable Li-ion battery, AC/DC supply
- Sensitivity: 2.5, 5, 10, 20 mm/mV
- Speed: 25, 50 mm/s ($\pm 3\%$)
- Record paper: 80 mm x 20 m
- Fine designed touch panel
- ECG data can be reviewed or managed on a Windows PC software
- ECG data storage and transfer by USB flash disk, Ethernet or series port
- Complete digital filter, avoid baseline drift, AC, EMG interference
- Baseline automatically adjustable
- Auto/manual operation selectable
- Lead-off detection and display



Specifications



Veterinary 3-channel Electrocardiograph with ECG Monitor and Measuring ECG Cardiomaq 300V

General characteristics

Display	192x64 pixels LCD
Leads recorded	7 standard leads
Acquisition Mode	simultaneously 7 leads
A/D Resolution	12 bits
Time Constant	≥ 3.2 s
Frequency Response	0.05–150 Hz (–3 dB)
Sensitivity options	2.5, 5, 10, 20 mm/mV
Calibration Voltage	1 mV ± 3 %
Noise	< 15 µVp-p
Filters	AC Filter: On/Off DFT Filter: 0.05/0.15/0.25/0.5 EMG Filter: 25/35/45 Hz/OFF LOWPASS Filter: 150/100/75 Hz
CMRR	> 100 dB
Interface	RS-232

Recording characteristics

Recorder	thermal dot-matrix printer
Record Paper	rolled thermal paper, 80 mm x 20 meters
Effective paper width	72 mm
Paper Speed selection	5, 6.25, 10, 12.5, 25, 50 mm/s
Accuracy	± 5 %

Heart rate recognition characteristics

Technique	peak-peak detection
HR Range	30–300 BMP
Accuracy	± 1 BMP

Power supply characteristics

Mains supply	from 100 to 240 V frequency 50/60 Hz input power 35 VA
Lithium battery	voltage 14.8 V cycle life more than 300 times

Operation conditions

Temperature	from +5 to +40 °C
Humidity	from 25 to 80 % non-condensing
Atmospheric pressure	from 860 to 1060 hPa

Storage conditions

Temperature	from –20 to +55 °C
Humidity	from 25 to 93 % non-condensing
Atmospheric pressure	from 700 to 1060 hPa

Weight and dimension

Size	288x210x70 mm (LxWxH)
Weight	about 2.5 kg