

Cardiomaq 100V

Veterinary 1-channel Electrocardiograph with ECG Monitor



- Digital veterinary electrocardiograph
- 7 leads simultaneous acquisition
- LCD display of ECG waveform and configurable parameters
- High resolution thermal printer
- 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: 50 mm x 30 m
- Fine designed touch panel
- Input/Output and RS-232 port
- Complete digital filter, avoid baseline drift, AC, EMG interference
- Baseline automatically adjustable, printing position optimization
- Auto/manual operation selectable
- Lead-off detection and display



Specifications



Veterinary 1-channel Electrocardiograph with ECG Monitor Cardiomaq 100V

General characteristics

| | |
|---------------------|---|
| Display | 192x64 pixels LCD |
| Leads recorded | 7 standard leads |
| Acquisition Mode | one lead |
| 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 \pm 3 % |
| Noise | <15 μ Vp-p |
| Filters | EMG Filter: 35 Hz (–3 dB) AC/DFT Filter: 50/60 Hz (–20 dB) |
| CMRR | > 90 dB, > 100 dB (with AC filter) |
| Interface | RS-232 |

Recording characteristics

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|-----------------------|---|
| Recorder | thermal dot-matrix printer |
| Record Paper | rolled thermal paper, 50 mm x 30 meters |
| Effective paper width | 48 mm |
| Paper Speed selection | 25, 50 mm/s |
| Accuracy | \pm 3 % |

Heart rate recognition characteristics

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|-----------|---------------------|
| Technique | peak-peak detection |
| HR Range | 30–300 BMP |
| Accuracy | \pm 1 BMP |

Power supply characteristics

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|-----------------|--|
| 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

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

Storage conditions

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

Weight and dimension

| | |
|--------|-----------------------|
| Size | 300x260x75 mm (LxWxH) |
| Weight | about 2.5 kg |