



PM-9000Vet PORTABLE VETERINARY MONITOR

- 10.4" color TFT display with 8 waveforms
- Parameters including ECG, RESP, SpO₂, NIBP, TEMP, Pulse Rate, IBP, C. O. , EtCO₂ and Multi-Gas/O₂
- Maximum 96-hour graphic and tabular trends of all parameters
- Recorder and rechargeable battery options
- Optional wireless LAN card
- Multi-mode selection for different animals



PM-9000Vet

Portable Veterinary Monitor

Technical Specifications

Safety

Meet the requirements of IEC60601 series, CE marking according to 84/539/EEC, 2004/108/EC

Size and Weight

Dimensions: 318 (W) x 270 (H) x 137 (D) mm
12.5" x 8.27" x 5.4"
Weight: ≤ 4.7kg / 10.3lb

Operation Environment

Power: AC100~240V, 50/60 Hz
Temperature: 0~40°C
Humidity: 15~95% (noncondensing)

Performance Specifications

Display: 10.4" color TFT
Resolution: 800x600
Trace: 8 waveforms
Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
Battery: Rechargeable
Trend time: 1~96 hours
Alarm: 10~level audible and visual alarm
Recorder: Built-in, thermal array, 2 channels
Record paper: 50mm
Record speed: 25mm/s, 50mm/s

ECG

Lead type: 5-lead or 3-lead selectable
Lead mode: 5-lead: RA; LA; RL; LL; V or R; L; N; F; C
3-lead: RA; LA; LL or R; L; F

ECG waveform: 2 channels
Gain selection: x0.25; x0.5; x1; x2; auto
Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
Heart rate range: 15~350bpm
Accuracy: ±2bpm or ±2%, whichever is greater
Resolution: 1bpm
Protection: Withstand 4000VAC/50Hz voltage in isolation against electrosurgical interference and defibrillation

Calibration signal: 1mV±5%
Operation modes: Diagnostic, Monitor, Surgery
Band width: Diagnostic: 0.05~100Hz
Monitor: 0.5~40Hz
Surgery: 1~20Hz

S-T detection: YES
Measurement range: -2.0mV~+2.0mV
Alarm range: -2.0mV~+2.0mV

Arrhythmia analysis: YES
Pace Detection: YES
Alarm: YES, audible and visual alarm
Alarm events recallable

Respiration

Method: Thoracic impedance
Measurement range: 0~150 rpm
Resolution: 1 rpm
Accuracy: 7~150 Brpm; ±2 rpm or ±2%
Whichever is greater

Apnea alarm: 0~6rpm: undefined
10~40(s)

NIBP

Method: Oscillometric
Operation modes: Manual/Automatic/continuous
Unit: mmHg/kPa selectable
Parameters: Systolic, Diastolic, Mean
Range: Big cuff mode
Systolic: 40~270mmHg
Diastolic: 10~210mmHg
Mean: 20~230mmHg
Middle cuff mode
Systolic: 40~200mmHg
Diastolic: 10~150mmHg
Mean: 20~165mmHg
Small cuff mode
Systolic: 40~135mmHg
Diastolic: 10~100mmHg
Mean: 20~110mmHg

Over-pressure protection: YES
Resolution: 1mmHg
Accuracy: Mean error < ±5mmHg
Standard deviation < 8mmHg
PR Range: 40~240 bpm
Accuracy: ±3bpm or ±3%
Whichever is greater

Temperature

Measurement range: 0~50°C/32~122°F
Resolution: 0.1°C/0.1°F
Accuracy: ±0.1°C (excluding the sensor) / ±0.1°F
±0.2°C (including the YSI 400 series sensor) ±0.2°F
Channel: 2
Alarm range: 0~50°C/32~122°F

Mindray SpO₂

Measurement range: 0~100%
Resolution: 1%
Accuracy: ±2% (70~100%)
0~69% : unspecified
Alarm range: 0~100%
Pulse rate: Range: 20~254bpm
Resolution: 1bpm
Accuracy: ±3bpm

Nellcor SpO₂

Measurement range: 0~100%
Resolution: 1%
Accuracy: ±2% (70~100%)
0~69% : unspecified
Alarm range: 0~100%
Pulse rate: Range: 20~300bpm

Resolution: 1bpm
Accuracy: ±3bpm (20~250bpm)
Unspecified (251~300bpm)

IBP

Measurement range: -50~300mmHg
Channel: 2 channels
Pressure transducer: Sensitivity: 5(μV/V/mmHg)
Impedance range: 300~3000(ohm)
Transducer sites: ART, PA, CVP, RAP, LAP, ICP, P1, P2
Measurement unit: mmHg/kPa selectable
Resolution: 1mmHg
Accuracy: 1mmHg or ±2%, whichever is greater
Pulse rate:

Range: 25~350bpm
Resolution: 1bpm
Accuracy: 25~200bpm ±1bpm or 1%
Whichever is greater
201~350bpm ±1%

CO

Method: Thermodilution
Measurement range: CO: 0.1~20 L/min.
TB: 23~43°C
TI: 0~27°C
CO: 0.1 L/min.
Temperature: 0.1°C
Accuracy: CO: ±0.1 L/min or ±5%, whichever is greater
TB: ±0.1°C
TI: ±0.1°C

EtCO₂

Method: Infrared Absorption
Mode: Sidestream
CO₂ range: 0~99mmHg
Resolution: 1mmHg
Accuracy: ±2mmHg (0~40mmHg)
±5% of reading (41~76mmHg)
±10% of reading (77~99mmHg)
AWRR range: 0~120rpm
Accuracy: ±2rpm

Multi-Gas/O₂

Method: Infrared Absorption
Gas sorts: CO₂, N₂O, Des, Iso, Enf, Sev, Hal, O₂ (optional, paramagnetic sensor)
Range: CO₂: 0~30%
N₂O: 0~105%
O₂: 0~105%
Enf, Iso, Hal: 0~30%
Sev: 0~30%
Des: 0~30%
AWRR: 2~100rpm
CO₂: 1mmHg
AWRR: 1rpm
Fi and Et Values
Respiration rate: ±1rpm (2~60rpm)

Standard configuration:

ECG/RESP, NIBP, Mindray SpO₂, TEMP, One Battery

Optional configuration:

Clinical Proven SpO₂, 2-IBP, CO, EtCO₂, Multi-Gas/O₂, Thermal Recorder, Second Battery



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