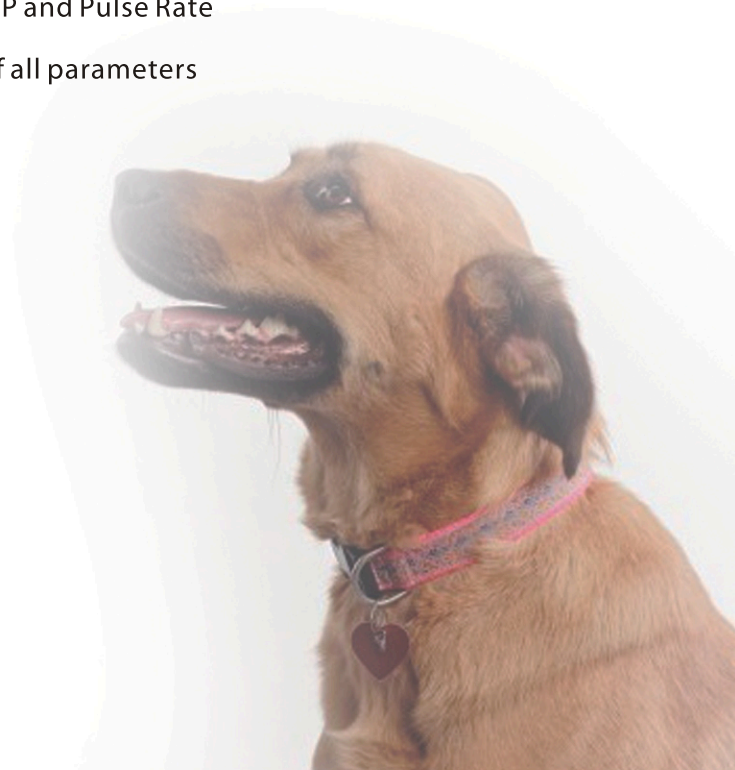




MEC-1200Vet Portable Veterinary Monitor

- 8.4" color TFT display with 4 waveforms
- Parameters including ECG/RESP, SpO₂, NIBP, TEMP and Pulse Rate
- Maximum 72-hour graphic and tabular trends of all parameters
- Recorder and rechargeable battery options
- Veterinary specific vital signs ranges



MEC-1200Vet

Portable Veterinary Monitor

Technical Specifications

Safety

Meet requirement of IEC60601-1, CE Marking according to 84/539/EEC and 2004/108/EC

Dimension and weight

Dimension: 258(W)x128(D)x244(H)mm
0.2" x 5.0" x 9.6"
Weight: 4.0 kg (max)/8.8lb

Power Supply

Power Source: AC mains power or Internal battery power

AC Mains Power Source

Power Requirements: AC 100~240V (±10%)
Line Frequency: 50/60 Hz (±3Hz)
Consumption: 80W

Battery Power (optional)

The maximum number of installed battery: 1
Battery Capacity: 2.3amp-hour
Operating time: 120 minutes under the normal use and full charge

Storage Environment

Temperature: -20~60°C/-4~140°F
Humidity: 10%~95%, non-condensing

Operation Environment

Temperature: 0°C~40°C/32~104°F
Humidity: 15%~95%, non-condensing

Performance Specification

Display: 8.4" color active matrix TFT
Resolution: 800x600
Trace: 4 waveforms
Sweep Speed: 6.25, 12.5, 25 and 50mm/s
Indicator: Alarm indicator light
Battery indicator
Power indicator light
Audio indicators for QRS beep and alarm sound
Interface: Net port
Battery: Rechargeable
Trend time: 1~72 hours
Alarm: 3-level audible and visual alarm
Recorder (optional): Built-in, thermal array, 2 channels
Record width: 48mm, (record paper 50mm)
Record speed: 25mm/s, 50mm/s

ECG

Lead Type: 3-lead
Input: 3-lead: RA; LA; LL or R; L; F
Lead Selection: 3-lead: I; II; III
ECG Waveform: 1 channel
Gain Selection: x0.25, x0.5; x1; x2; auto
Sweep Speed: 12.5mm/s, 25mm/s, 50mm/s
Heart Rate Range: 15~350bpm
Accuracy: 1bpm or ±1%, whichever is greater
Resolution: 1bpm
Protection: Withstand 4000VAC/50Hz voltage in isolation.
Anti-electrosurgical interference and defibrillation
CMRR: Diagnostic mode: ≥ 90 dB
Monitor mode: ≥ 105 dB

Standard Configuration

ECG, RESP, NIBP, TEMP, SpO₂
Lead Acid Battery

Options

Thermal Recorder

Calibration Signal: 1mV 5%
Bandwidth: Diagnostic mode: 1~15 Hz
Monitor mode: 0.5~35 Hz
Surgery mode: 0.05~100 Hz
Alarm Range: 15-350 bpm
S-T detection: YES
Measurement range: -2.0mV~+2.0mV
Alarm range: -2.0mV~+2.0mV
Arrhythmia analysis: YES
Pacemaking analysis: YES
Alarm: YES, audible and visual alarm, alarm events recallable

Respiration

Method: RA-LL impedance
Measurement Range: 0~150 BrPM
Resolution: 1 BrPM
Accuracy: ±2% or ±2 BrPM, whichever is greater
Alarm Range: 0~150 BrPM
Apnea Alarm: YES, and apnea delay: 10-40 seconds

NIBP

Method: Oscillometric
Operation Modes: Manual/Automatic/Continuous
Measurement Unit: mmHg/kPa selectable
Measurement Types: Systolic pressure, Diastolic pressure and Mean pressure
Measurement Range: Systolic: 40-270 mmHg
Diastolic: 10-210 mmHg
Mean: 20-230 mmHg
Over-pressure Protection: YES
Resolution: 1 mmHg
Accuracy: Maximum Mean error: 5mmHg
Maximum Standard deviation: 8mmHg
Alarm: Systolic, Diastolic and Mean

Temperature

Scale: 0°C and °F selectable
Measurement Range: 0~50 °C or 32~122 °F
Resolution: 0.1 °C or 0.1 °F
Accuracy: ± 0.1 C (0°C to 50°C), exclusive of probe errors
± 0.2 F (32°F to 122°F), exclusive of probe errors
Channel: 1 channel
Alarm Range: 0~50 °C / 32~122 °F

SpO₂

Range: 0~100%
Accuracy: 70%~100%: 2%
0%~69%: unspecified

Pulse Rate

Range: 20-254 bpm
Accuracy: ±2bpm or 2%, whichever is greater



MINDRAY™

Mindray Building, Keji 12th Road South, High-tech Industrial Park,
Nanshan, Shenzhen 518057, P. R. China
Tel: +86 755 26582492, 26582888 Fax: +86 755 26582680
E-mail: intl-market@mindray.com Website: www.mindray.com

Distributed by:
Smart Works, Inc
4164 Austin Bluffs Pkwy. #361
Colorado Springs, CO 80918
1-866-999-2656

<http://www.smartworksimaging.com>
sales@smartworksimaging.com

