

Enhanced Multi-Parameter Portable Veterinary Monitor

EtCO₂ Ready

BM5Vet

Veterinary Multi-Parameter Vital Sign Monitor

The BM5Vet boasts 2 IBP modules, 2 temperature modules and EtCO₂ on top of ECG, Respiration, NIBP and SpO₂. Its 10.4" color TFT screen displays all the vital signs in different colors for easy recognition and enables you to monitor your patient clearly, even in the most difficult lighting conditions.

FEATURES

Superior Advantages

- ECG, SpO₂, NIBP, Respiration and Temperature
Includes: temperature, transreflectance SpO₂, and esophageal probes*
- 10.4" color TFT LCD monitor
- Individual sweep speed setting for each parameter
- Multiple display modes
- Remembers your settings
- Industry's longest warranty – 4 Year!

Extendible Parameters

- Mainstream/sidestream CO₂
- 2 IBP and 2 temperatures

Enhanced Data Management

- 128 full hours of trend data stored
- 20 cases × 10 sec alarm waveform stored
- Includes B-Link software for data collection

High-Performance Measurement

- ST level, PVC count real-time display
- 13 kinds of arrhythmia analysis
- Very low-perfusion SpO₂ measurement

Portable

- Li-ion rechargeable battery allows cordless use for up to 1.5 hours



Main Display Mode



Large Parameter Mode



7 Ch ECG Monitoring Mode
(Requires optional 5 lead ECG cable)



Trend PopUp Mode



SPECIFICATIONS

General >>>

| Monitor Performance Specifications | |
|---|--|
| Display, Resolution | 10.4" color TFT LCD, 800 x 600 pixels |
| Dimension, Weight | 270 (W) x 250 (H) x 184.5 (D) mm, approx. 4.0 kg |
| Trace | 6 waveforms: 2 ECG, SpO ₂ , RR or EtCO ₂ , 2 IBP Sweep speed: 6.25, 12.5, 25, 50 mm/sec |
| Indicators | Categorized alarms (3 priority levels) Visual alarm lamp handle Heart beat tone SpO ₂ pulse pitch tone Battery status, external power LED |
| Interfaces | DC input connector: 18 VDC, 2.5 A Defibrillator Sync. Output: - Signal Level: 0 to 5 V pulse - Pulse width: 100 ± 10 ms LAN digital output for transferring data Nurse call system connection: - 0.3 A at 125 VAC - 1 A at 24 VAC DC output: 5 VDC, 1 A Max |
| Battery | Rechargeable Li-ion battery, 1.5 hours for continuous operation |
| Thermal Printer | Speed: 25, 50 mm/sec, Paper width: 58 mm |
| Data Storage | 128-hour trends 20 cases of 10 sec alarm waveform |
| Language | English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese, Bulgarian, Korean, Hungarian |
| Accessory | |
| Standard Accessories | 3 lead vet ECG cable 1ea NIBP extension tube (3m) 1ea NIBP vet cuff neonate disposable #1- #5 1set NIBP vet cuff infant reusable 1ea SpO ₂ extension cable (2m) 1ea Esophageal probe 1ea Extension cable for esophageal probe 1ea Transflectance SpO ₂ probe 1ea Temperature probe (rectal/esophageal) 1ea Reusable multisite SpO ₂ probe 1ea B-Link automated record keeping software 1ea DC adapter (18 VDC, 2.5 A) 1set |
| Optional Accessories | 5 lead vet ECG cable Temperature probe (skin) IBP disposable pressure transducer kit IBP reusable pressure transducer kit Mainstream CO ₂ airway adapter set Sidestream CO ₂ airway adapter set |
| Optional Module | |
| | Mainstream CO ₂ module (sensor) Sidestream CO ₂ module (sensor) |

Specifications can be changed without prior notification.

You may have distortion or signal noise when you use nonstandard or other brands' accessories.

We strongly recommend you use only the authorized accessories which we supply.

Performance >>>

| ECG | |
|---|---|
| Lead Type | 3-lead, 5-lead |
| Lead Selection | 3-lead: I, II, III 5-lead: I, II, III, aVR, aVL, aVF, V |
| ECG Waveform | 3-lead: 1 Channel 5-lead: 2/3/7 Channel |
| Heart Rate Range | Horse, Dog: 30 - 300 bpm Puppy, Cat: 30 - 350 bpm |
| Heart Rate Accuracy | ±1 bpm or ±1%, whichever is greater |
| Sweep Speed | 6.25, 12.5, 25, 50 mm/sec |
| Filter | Diagnosis: 0.05 - 150 Hz Monitoring: 0.5 - 40 Hz Moderate: 0.5 - 25 Hz Maximum: 5 - 25 Hz |
| S-T Segment Detection Range | -2.0 to 2.0 mV |
| Arrhythmia Analysis | Asystole, VTACH, V-fib, bigeminy, accvent, couplet, irregular, pause, PVC, ront, trigeminy, VBRADY, short run |
| Pacemaker Detection Mode | Indicator on waveform display (user selectable) |
| Protection | Against electrosurgical interference and defibrillation |
| Respiration | |
| Method | Thoracic impedance |
| Channel Selection | RA-LA or RA-LL |
| Measurement Range | 5 - 120 breaths per minute |
| Accuracy | ±1 breath per minute |
| Apnea Alarm | Yes |
| SpO₂ | |
| Saturation Range | 0 to 100% |
| Saturation Accuracy | 70 to 100% ±2 digits, 0 to 69% unspecified |
| Pulse Rate Range | 30 to 254 bpm |
| Pulse Rate Accuracy | ±2 bpm |
| NIBP | |
| Method | Oscillometric |
| Operation Mode | Manual/Automatic/Continuous |
| Pressure Range | 0 - 300 mmHg |
| Accuracy | ±3 mmHg |
| Measurement Range | Systolic: 40 - 265 mmHg MAP: 27 - 222 mmHg Diastolic: 20 - 200 mmHg |
| Pulse Rate Range | 25 - 300 BPM |
| Temperature | |
| Channels | 2 |
| Measurement Range | 0 to 50 °C (32 to 122 °F) |
| Accuracy | ±1 °C |
| Compatibility | YSI Series 400 temperature probes |
| IBP (option) | |
| Channels | 2 |
| Measurement Range | -50 to 300 mmHg |
| Accuracy | <100 mmHg: ±1 mmHg >=100 mmHg: ±1% of reading |
| Pulse Rate Measurement Range | 0 to 300 bpm |
| Zero Balancing | Range: ±200 mmHg Accuracy: ±1 mmHg Drift: ±1 mmHg over 24 hours |
| Transducer Sensitivity | 5 µV/mmHg |
| Mainstream CO₂ (option) | |
| Measurement Range | 0 to 150 mmHg, 0 to 19% |
| Accuracy | 0 - 40 mmHg ±2 mmHg, 41 - 70 mmHg ±5% of reading, 71 - 100 mmHg ±8% of reading, 101 - 150 mmHg ±10% of reading |
| Respiration Rate | 0 to 150 breaths per minute |
| Respiration Accuracy | ±1 breath per minute |
| Sidestream CO₂ (option) | |
| Measurement Range | 0 to 150 mmHg, 0 to 19% |
| Accuracy | 0 - 40 mmHg ±2 mmHg, 41 - 70 mmHg ±5% of reading, 71 - 100 mmHg ±8% of reading, 101 - 150 mmHg ±10% of reading |
| Respiration Rate | 2 to 150 breaths per minute |
| Respiration Accuracy | ±1 breath per minute |

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