

# BM3VET PRO

Uncompromising Value  
8.0" Touch Screen LCD Monitor



The BM3Vet Pro encapsulates over 20 years of our intricate research, development, and design dedicated to serve Animal Health practitioners around the globe. Our core values of functional simplicity, elite performance, and uncompromising value are carefully engineered into what we believe to be the most trusted brand in Veterinary multiparameter monitors on the market today. Because everything we do focuses on the needs and efficiency of the clinic, we include premium data management software (BT-Link and BT-Link Mobile) with all of our monitors at no additional cost.

## Superior Advantages

- ▶ ECG, SpO<sub>2</sub>, NIBP, Respiration, Temperature, EtCO<sub>2</sub>, Anesthetic Gas/O<sub>2</sub>
- ▶ 8.0" color TFT touch screen for clear parameter display
- ▶ Individual sweep speed setting for each parameter
- ▶ 168 full hours of trend data are stored
- ▶ Screen freeze ON/OFF
- ▶ Extendible parameters
  - Mainstream/Sidestream EtCO<sub>2</sub>
  - Mainstream/Sidestream Anesthetic Gas/O<sub>2</sub>
  - Dual Gas (EtCO<sub>2</sub> and anesthetic gas monitoring)
- ▶ Enhanced Data Management & connectivity
  - Easy network connectivity, supports wireless LAN
  - B2B, Up to 4 BM3Vet Pro can be controlled by one of the networked BM Pro Series
  - BT-LINK Pro and BT-LINK Mobile for real-time monitoring and data recording
  - USB memory storage
- ▶ Advanced Cardiac Parameters
  - ST level, PVC count real-time display
  - 13 kinds of arrhythmia analysis
- ▶ Versatile
  - Up to 3hrs for continuous operation
  - External HDMI output for large screen

# SPECIFICATIONS

## General

<b>Display, Resolution</b>	8' wide color touch TFT LCD, 800 x 600 pixels
<b>Dimension, Weight</b>	238 (W) x 250 (H) x 163 (D) mm, approx. 3.1 kg
<b>Trace</b>	4 waveforms : ECG, SpO <sub>2</sub> , RR or EtCO <sub>2</sub> or MGAS Sweep speed : 6.25, 12.5, 25, 50 mm/sec
<b>Indicators</b>	Categorized alarms (3 priority levels) Visual alarm lamp handle QRS beep & SpO <sub>2</sub> , pulse beep Percent(%) SpO <sub>2</sub> , pitch tone Battery status, external power LED Touch screen, rotary knob
<b>Interfaces</b>	Power supply : AC 100-240V(50/60Hz) DC input connector : 18VDC, 2.8A LAN digital output for transferring data Nurse call system connection -0.3A at 125 VAC, -1A at 24 VDC External HDMI monitor connection USB barcode reader USB memory data storage / Software Upgrade
<b>Battery</b>	Rechargeable Li-ion battery, 3 hours for continuous operation
<b>Thermal printer(option)</b>	Speed : 25, 50mm/sec, paper width : 58mm
<b>Data Storage</b>	168 hours trends, 20 cases of 10 sec alarm waveform
<b>Language</b>	English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese Bulgarian, Hungarian, Korean

## Accessory

<b>Standard Accessories</b>	3 lead vet ECG cable	1ea
	NIBP extension hose (3m)	1ea
	NIBP vet cuff neonate disposable #1-#5	1ea
	NIBP vet cuff infant (reusable)	1ea
	SpO <sub>2</sub> extension cable (2m)	1ea
	Esophageal ECG probe with temperature	1ea
	Extension cable for esophageal probe	1ea
	Transflectance SpO <sub>2</sub> probe	1ea
	Temperature probe (rectal/esophageal)	1ea
	Reusable multisite SpO <sub>2</sub> probe	1ea
	DC adapter (18 VDC, 2.5A)	1set
	BT-Link Pro automated record keeping software	1ea
<b>Optional Accessories</b>	5 lead vet ECG cable	1ea
	Temperature probe (skin)	1ea
	Mainstream EtCO <sub>2</sub> airway adapter kit	1ea
	Sidestream EtCO <sub>2</sub> airway adapter kit	1ea
	ECG alligator clip (5ea)	1ea
	3 lead ECG cable (snap type)	1ea
	Dual gas accessories (water Trap, patient sample line/adaptor, mount)	1ea

## Optional Module

Mainstream EtCO <sub>2</sub> module (sensor)
Sidestream EtCO <sub>2</sub> module (sensor)
Dual Gas module (sensor)
Anesthetic gas/O <sub>2</sub> module (sensor)



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## Performance

### ECG

<b>Leads Type</b>	3-lead, 5-lead(Optional)
<b>Lead Selection</b>	3-lead : I,II,III 5-lead : I,II,III, aVR, aVL, aVF, V(Optional)
<b>ECG Waveforms</b>	3-lead: 1 channel 5-lead: 1/2/7 channels(Optional)
<b>Heart Rate Range</b>	Horse, dog: 30 to 300 BPM Puppy, cat: 30 to 350 BPM
<b>Heart Rate Accuracy</b>	± 1BPM or ± 1%, whichever is greater
<b>Sweep Speed</b>	6.25, 12.5, 25, 50 mm/sec - Diagnosis : 0.05 to 150 Hz - Monitoring : 0.5 to 40 Hz - Moderate : 0.5 to 25 Hz - Maximum : 5 to 25 Hz
<b>Filter</b>	-2.0 to 2.0 mV
<b>S-T Segment Detection Range</b>	ASYSTOLE, VTACH, VTAC/V-FIB
<b>Arrhythmia Analysis</b>	IRREGULAR, PAUSE, PVC, RONT, TRIGMINY, VBRADY, SHORTRUN
<b>Protection</b>	Against electrosurgical interference and defibrillation

### Respiration

<b>Method</b>	Thoracic impedance
<b>Channel Selection</b>	RA-LA or RA-LI
<b>Measurement Range</b>	5 to 120 breath per minute
<b>Accuracy</b>	±1 breath per minute
<b>Apnea Alarm</b>	Yes

### SpO<sub>2</sub>

<b>Saturation Range</b>	0 to 100%
<b>Saturation Accuracy</b>	70 to 100% ±2 digits, 0 to 69% unspecified
<b>Pulse Rate Range</b>	30 to 254 BPM
<b>Pulse Rate Accuracy</b>	±2 BPM

### NIBP-Suntech

<b>Method</b>	Oscillometric
<b>Operation Mode</b>	Manual / Automatic / Continuous
<b>Pressure Range</b>	0 to 300mmHg (accuracy : ±3mmHg)
<b>Measurement Range</b>	Systolic: 40-260mmHg , 40 - 230mmHg , 40 - 130mmHg MAP: 26-220mmHg , 26 - 183mmHg , 26 - 110mmHg Diastolic: 20-200mmHg , 20 - 160mmHg , 20 - 100mmHg
<b>Pulse Rate Range</b>	30-220 BPM , ± 2% or ± 3 BPM, whichever is greater

### Temperature

<b>Channels</b>	1
<b>Measurement Range</b>	0 to 50°C (32 to 122°F)
<b>Accuracy</b>	25 to 50°C: ±0.1°C, 0 to 24°C: ±0.2°C
<b>Compatibility</b>	YSI Series 400 temperature probes

### Mainstream EtCO<sub>2</sub>, Sidestream EtCO<sub>2</sub> - Responics (Option)

<b>Measurement Range</b>	0 to 150 mmHg, 0 to 19%
<b>Accuracy</b>	0-40mmHg ±2mmHg, 41-70mmHg ±5% of reading, 71-100mmHg ± 8% of reading, 101-150mmHg ± 10% of reading
<b>Respiration Rate</b>	0 to 150 breath per minute (Mainstream EtCO <sub>2</sub> ) 2 to 150 breath per minute (Sidestream EtCO <sub>2</sub> )
<b>Respiration Accuracy</b>	±1 breath per minute

### Dual Gas-Bionet (Option)

<b>Method</b>	Sidestream
<b>Gas</b>	CO <sub>2</sub> , Iso, Sev, Enf, Hal, Des
<b>Range, Accuracy</b>	CO <sub>2</sub> : 0-10%, ± (0.2 vol% + 4% realative) Hal/Iso/Enf /Hal: 0-6%, ± (0.15 vol% + 4% realative) Des : 0-18%, ± (0.15 vol% + 4% realative)
<b>Respiration Rate</b>	0-150BPM ± 1BPM Des : 0-22%
<b>Respiratory Rate</b>	O <sub>2</sub> : 0-100%(ISA OR+) 0-150BPM ± 1BPM

### Anesthetic Gas/O<sub>2</sub> - Masimo (Option) (to be provided upon request)

- \* Specifications can be changed without prior notification
- \* You may have distortion or signal noise when you use nonstandard or other brand's accessories  
We strongly recommend you use only the authorized accessories which we supply
- \* The ST algorithm has been tested for accuracy of the ST segment data  
The significance of the ST segment changes need to be determined by a clinician