

BM7VET PRO

Elite Performance
12.1" Touch Screen LCD Monitor



The BM7 Vet 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, SpO₂, NIBP, respiration, IBP, 2 temperatures (Option: EtCO₂, Anesthetic Gas/O₂, IBP)
- ▶ 12.1" color TFT touch screen with 6 wave forms (1024x768 pixels)
- ▶ Individual sweep speed setting for each parameter
- ▶ 168 full hours trend data are stored
- ▶ Multiple display modes for ease of viewing
- ▶ Screen freeze ON/OFF
- ▶ Extendible Parameters (Option)
 - Mainstream / Sidestream EtCO₂
 - Mainstream / Sidestream Anesthetic Gas/O₂
 - Dual Gas (EtCO₂ and anesthetic gas monitoring)
- ▶ Enhanced data management & connectivity
 - Easy network connectivity, supports wireless LAN
 - B2B, Up to 8 BM7Vet 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
 - 48 hours of full disclosure waveforms provided
 - ST level, PVC count real-time display
 - 13 kinds of arrhythmia analysis
- ▶ Versatile
 - Li-ion battery with longer lifetime (Up to 2hrs for continuous operation / 4hrs using optional battery)
 - External HDMI output for large screen

SPECIFICATIONS

General

Display, Resolution	12.1" color TFT, LCD, 1024x768 pixels
Dimension, Weight	322(W)x250(H)x224.8(D) mm, Approx. 4.5kg
Trace	6 waveforms :2*ECG, SpO ₂ , RR or EtCO ₂ or MGAS, 2*IBP Sweep speed : 6.25, 12.5, 25, 50 mm/sec
Indicators	Categorized alarms (3 priority levels) Visual alarm lamp handle QRS beep & SpO ₂ pulse beep Percent(%) SpO ₂ pitch tone Battery status, external power LED Touch screen, rotary knob
Interfaces	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
Battery	Rechargeable Li-ion battery, 2 hours for continuous operation (Option: using additional battery total of 4 hours)
Thermal Printer (option)	Speed : 25,50mm/sec, paper width : 58mm
Data Storage	168hours trends, 20cases of 10sec alarm waveform
Language	English, French, Spanish, Italian, German, Chinese, Russian, Czech, Polish, Turkish, Romanian, Portuguese Bulgarian, Hungarian, Korean

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 ECG probe with temperature	1ea
	Extension cable for esophageal probe	1ea
	Transflectance SpO ₂ probe	1ea
	Temperature probe (rectal/esophageal)	1ea
	Reusable multisite SpO ₂ probe	1ea
	DC adapter (18 VDC, 2.5A)	1set
	BT-Link Pro (automated record keeping software)	1ea
Optional Accessories	5 lead vet ECG cable	
	Temperature probe(skin)	
	IBP disposable pressure transducer kit	
	IBP reusable pressure transducer kit	
	Mainstream EtCO ₂ airway adapter set	
	Sidestream EtCO ₂ airway adapter set	
	ECG alligator clip (5ea)	
	3 lead ECG cable (snap type)	
	Dual gas accessories	
	(water Trap, patient sample line/adapter, mount)	

Optional Module

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



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Performance

ECG

Leads Type	3-lead, 5-lead
Lead Selection	3-lead :I,II,III 5-lead :I,II,III, aVR, aVL, aVF, V
ECG Waveforms	3-lead: 1 channel 5-lead: 1/2/7 channels
Heart Rate Range	Horse,dog: 30 to 300 BPM, Puppy,cat: 30 to 350 BPM
Heart Rate Accuracy	± 1BPM or ± 1%, whichever is greater
Sweep Speed	6.25, 12.5, 25, 50 mm/sec
Filter	· Diagnosis : 0.05 to 150 Hz · Monitoring : 0.5 to 40 Hz · Moderate : 0.5 to 25 Hz · Maximum : 5 to 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, TRIGMINY, VBRADY, SHORTRUN
Protection	Against electrosurgical interference and defibrillation

Respiration

Method	Thoracic impedance
Channel Selection	RA-LA or RA-LL
Measurement Range	5 to 120 breath 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-Suntech

Method	Oscillometric
Operation Mode	Manual / Automatic / Continuous
Pressure Range	0 to 300mmHg (accuracy : ±3mmHg)
Measurement Range	Systolic: 40 – 265mmHg, MAP: 27 – 222mmHg, Diastolic: 20 – 200mmH
Initial Inflation Pressure	Large animal mode: 160 mmHg (default), Variable from 120 - 280 mmHg Small animal mode: 160 mmHg (default), Variable from 60 - 280 mmHg
Plus Rate Range	25 to 300 BPM (Beat Per Minute)

Temperature

Channels	2
Measurement Range	0 to 50°C (32 to 122°F)
Accuracy	25 to 50°C: ±0.1°C, 0 to 24°C: ±0.2°C
Compatibility	YSI Series 400 temperature probes

IBP (Option)

Channels	2
Measurement Range	-50 to 300mmHg
Accuracy	<100mmHg : ±1mmHg >=100mmHg : ±1% of reading
Plus Rate Measurement Range	0 to 300 BPM
Zero Balancing Range :	Range: ±200mmHg Accuracy: ±1mmHg Drift: ±1mmHg over 24 hours
Transducer Sensitivity	5µV/V/mmHg

Mainstream EtCO₂, Sidestream EtCO₂ - Respironics (Option)

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

Anesthetic Gas / O₂-Masimo (Option)

Method	Infra-red absorption characteristic
Mainstream	IRMA AX +
Sidestream	ISA OR+ / AX+
Gas	CO ₂ , O ₂ , N ₂ O, Des, Iso, Enf, Hal, Sev
Warm-up Time	Mainstream (IRMA AX+) Iso accuracy mode : 45s Full accuracy mode : 60s Sidestream (ISA OR+ / AX+) : <20s
Sample Flow Rate(for ISA OR + /AX+)	50 ± 10ml/min
Measuring Range	CO ₂ : 0~15% N ₂ O : 0~100% Hal/Iso/Enf : 0~8% Sev : 0~10% Des : 0~22% O ₂ : 0~100%(ISA OR+)
Respiratory Rate	0~150BPM ± 1BPM

Dual Gas-Bionet (Option)

Method	Sidestream
Gas	CO ₂ , Iso, Sev, Enf, Hal, Des
Range, Accuracy	CO ₂ : 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)
Respiration Rate	0~150BPM ± 1BPM

- * 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 veterinarian.