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BMVet Elite Series

Advanced BM 7/5/3 Vet Elite
meeting new environmental standards

New and Enhanced Housing Design

User-friendly Interface

Comprehensive Connectivity

Animal Dedicated Monitoring System

New and Enhanced Housing Design

• Meets IPX2 water ingress standard, most stringent drip test
• "One Touch" easy mounting on roll-stands and wall-mounts
• Robust metal frame inside strong against dropping and EMI

User-friendly Interface

• Touch interface for easy patient admission and configuration
• Clear parameter recognition through large parameter viewing mode
• Large external monitor via HDMI interface
• Screen freeze for event capturing and screen lock for cleaning
• Pop-up trend view along with real time waveform and parameter view

Comprehensive Connectivity

• 2 USB slots for external data transfer & barcode scanner
• LAN and WiFi connection for networking
• BT-Link Pro PC software to record and convert vital sign data into a digital report which can be imported into most Practice Management/HER programs
• BT-Link Mobile app to allow you to walk away from the surgery suite and monitor patient's vital signs and alarms from anywhere in the clinic – in real-time
• Bed-to-bed monitoring mode

Animal Dedicated Monitoring System

• Motion tolerant and low-perfusion resistant pulse oximetry measuring up to 450bpm
• Accurate and reliable SunTech non-invasive blood pressure technology
• Esophageal probe for ECG and core temperature monitoring (optional)
• Multisite SpO2 sensor and transflectance SpO2 sensor to cover various monitoring situations

BM Comparison Chart *

	BM7Vet	BM5Vet	BM3Vet
Display size	12.1" Touch	10.4" Touch	8" Touch
Standard Parameter	ECG/Spo2/NIBP/Resp/ 2CH-IBP/2CH-Temp	ECG/Spo2/NIBP/Resp/ 2CH-IBP/2CH-Temp	ECG/Spo2/NIBP/ Resp/1CH-Temp
NIBP (SUNTECH)	Y	Y	Y
Temp	2CH Optional sensor	2CH Optional sensor	1CH Optional sensor
IBP	2CH Optional sensor & cable	2CH Optional sensor & cable	X
ETCO2/Dual Gas	Optional	Optional	Optional
Waveforms	6	6	4
PRINTER	Y	Y	Y
NETWORK	LAN, Wifi, USB	LAN, Wifi, USB	LAN, Wifi, USB

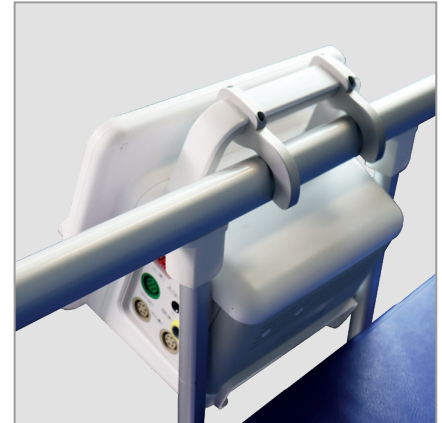BM**Vet** Elite Series

User-centric Physical Design

With ease of use in mind
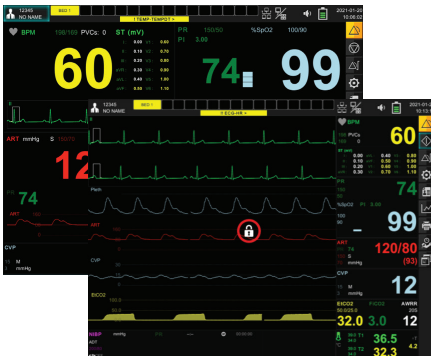

New housing design
supporting IPX2

"One-Touch" design for easy
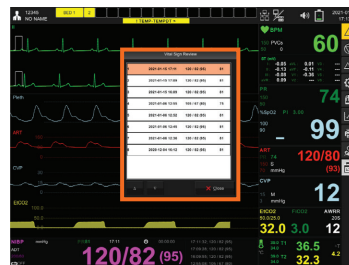pole, rollstand and wall mounting

Detachable bed-rail hook

User-centric Features
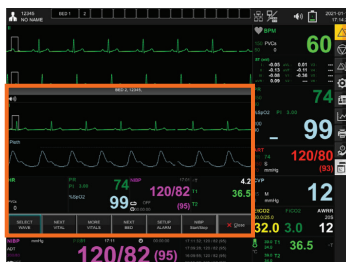
Enhancing accuracy of monitoring

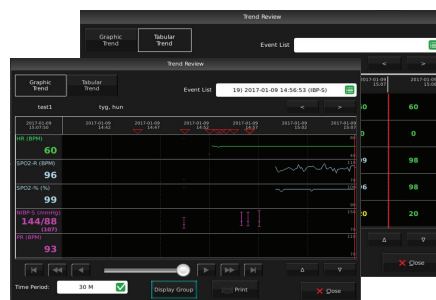Screen freeze/lock
& Customizable display

Quick review
With NIBP trend window

Animal-dedicated
various cable options

Access to a different bed with
Bed-to-bed monitoring function

168 hours of tabular and
graphical trends

BT-Link Pro Windows application &
BT-Link Mobile app
for data management

Technical specifications

BMVet Elite Series

Physical

Model	BM3Vet Elite	BM5Vet Elite	BM7Vet Elite
Dimension (H x W x D) (mm)	240 x 237 x 176	276 x 262 x 176	324 x 257 x 218
Weight (Kg)	Approx. 3.1	Approx. 4.0	Approx. 4.5
Indicator	3 LED		
Cooling	Air flow		
Power	AC 100-240V (50/60Hz) Adapter 18 V, 2.8 A		
Power consumption	< 50Watts		
Operating Mode	Continuous		
Display — Type	TFT-LCD		
Display — RES	800 x 600	800 x 600	1024 x 768
Display — Size	8"	10.4"	12.1"
Measurement Parameter (Common)	ECG, Heart Rate, Respiration Rate, SpO2, Pulse Rate, Systolic BP, Diastolic BP, Mean BP, EtCO2, FiCO2, Airway Respiration Rate		
Measurement Parameter (Option)	Temperature x 1	Temperature x 2 IBP x 2	Temperature x 2 IBP x 2
TRACE — Wave forms	4 waveforms: 2*ECG, SpO2, RR or EtCO2	6 waveforms: 2*ECG, SpO2, RR or EtCO2, 2*IBP	6 waveforms: 2*ECG,SpO2, RR or EtCO2, 2*IBP
TRACE — Sweep Speed	Sweep speed: 6.25, 12.5, 25, 50 mm/sec		
Indicator	Categorized alarms (3 priority levels), Visual alarm lamp, SpO2 pulse pitch tone, Battery status, External power LED		
Interface	DC input connector: 18VDC, 2.8A LAN port for transferring data Nurse call system connector HDMI output connector USB connector		
Battery	Rechargeable Li-ion battery BM3/5Vet Standard : 2500 mAh or 3500 mAh (optional 6500 mAh), BM7Vet Standard : 6500 mAh		
Thermal Printer (option)	Speed: 25, 50mm/sec, Paper width: 58mm		
Data Storage	168hours trends, 20cases of 10sec alarm waveform		
Language	English, French, Spanish, Italian, Germany, Chinese, Russian, Czech, Bulgarian, Portuguese, Romanian, Hungarian, Turkish, Polish		

Respiration Performance

Method	Thoracic impedance
Channel Selection	BM3Vet: RA-LL BM5/7Vet only: RA-LA
Measurement Range	5 to 120 bpm
Accuracy	±1 bpm
Apnea Alarm	Yes

SpO2 Performance

SpO2 Range	0 to 100%
SpO2 Accuracy	70 to 100% ±2 digits 0 to 69% unspecified
Pulse Rate Range	18 to 450 bpm
Pulse Rate Accuracy	±2 bpm

ECG

Lead 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 channel (BM3Vet Elite) 5-lead: 2/7 channels (BM5Vet Elite, BM7Vet Elite)
Heart Rate Range	Horse, dog, puppy, cat: 30 to 300 BPM
Heart Rate Accuracy	±1bpm or ±1%, whichever is greater
Sweep Speed	6.25, 12.5, 25, 50 mm/sec
S T Segment Detection Range	-2.0 to 2.0 mV
Arrhythmia Analysis	ASYSTOLE, VTACH, VFIB BM5Vet Elite, BM7Vet Elite only: BIGEMINY, ACCVENT, COUPLET, IRREGULAR, PAUSE, PVC, RONT, TRIGEMINY, VBRADY, SHORTRUN
Pacemaker Detection Mode	Indicator on waveform display (user selectable)
Protection	Against electrosurgical interference and defibrillation

NIBP Performance

Method	Oscillometry with step deflation
Operation Mode	Manual/Automatic/Continuous
Measurement Range	Systolic: 40 to 260 mmHg MAP: 26 to 220 mmHg Diastolic: 20 to 200 mmHg
Accuracy	Mean error: less than ±5 mmHg Standard deviation: less than 8 mmHg

Temperature Performance

Measurement Range	0 to 50℃ (32℉ to 122℉)
Accuracy	25℃ to 50℃: ±0.1℃ 0℃ to less than 25℃: ±0.2℃
Compatibility	98ME04GA603 temperature probes

Mainstream CO2 / Sidestream CO2 (Option)

Measurement Range	0 to 150 mmHg, 0 to 19%
Accuracy	0 to 40mmHg ±2 mmHg, 41 to 70mmHg ±5% of reading 71 to 100mmHg ±8% of reading, 101 to 150mmHg ±10% of reading
Respiration Rate	Main 0 to 150 / Side 2 to 150 bpm
Respiration Accuracy	±1 bpm

IBP Performance (BM5Vet Elite/BM7Vet Elite Only)

Channels	2
Measurement Range	-50 to 300mmHg
Accuracy	4 % of reading or ± 4 mmHg, whichever is greater
Pulse Rate Measurement Range	0 to 300bpm