

Veterinary Vital Sign Monitor

BM3Vet / BM3Vet Plus

Multi-Parameter Portable Veterinary Monitor

Versatile. Portable. Lightweight. The BM3Vet series monitors are especially designed to be used in a veterinary environment. Compact design coupled with a unique handle make it easy to move from room to room. Its 5.7" (8.4" in the Plus) color monitor displays all the vital signs in different colors for easy recognition. A built in printer offers hard copy documentation of all measured values as well as up to 3 waveforms of information. Alarms and settings are easily adjustable and are retained after turning off the power. The BM3Vet Plus offers a high resolution, wide viewing angle 8.4" color monitor.

FEATURES

Comprehensive Veterinary Monitor

- ECG, SpO₂, Non-Invasive Blood Pressure, Respiration and Temperature
- 5.7" color monitor with high resolution (BM3Vet)
- 8.4" color monitor with high resolution (BM3Vet Plus)
- 58mm built-in printer

Easy-to-use

- Direct keys for frequently used functions
- Trim knob for easy menu setup
- Convenient handle with hanger

Flexible Transportability

- Battery or direct DC(18V) input for vehicle transport
- Lightweight, easy to transport
- Compact and rugged

Data Management

- Built-in 3 channel thermal printer
- 24 hours of memory capacity
- Free lifetime software upgrades



SPECIFICATIONS

General >>>

■ Monitor Performance Specifications

Display	LCD 5.7" color(BM3Vet) LCD 8.4" color(BM3Vet Plus)
Dimensions	(WxHxD) 23.8cm(9.4") x 25.0cm(9.8") x 16.3cm(6.4") Weight : approx. 3.5kg (7.7 lbs)
Indicators	Up to 3 waves (ECG, SpO ₂ , Respiration) Categorized alarms (3 priority levels) Visual alarm Heart rate tone Battery status External power LED
Interfaces	DC input connector : 11 to 16 VDC, 3A max. Defib Sync Output Signal Level : 0 to 5 V pulse Pulse Width : 100±10 ms LAN digital output for transferring data
Battery	Internal battery : sealed lead-acid Battery status indicator Operating Time : 2.5 hours typically (fully charged battery)
Thermal Printer	Speeds : 25, 50 mm/sec Paper Width: 58mm
Power Adaptor	Adapter type (MW160KA1803F01, Ault Electronics Company Ltd.) Input : 100 – 240Vac (50/60Hz) Output : 18Vdc, 2.5A

■ Graphical and Tabular Trends

Tabular Trends	Memory Storage : 24 hours Data Interval : 1, 5, 15, 30 min., and 1hour Tabular Format : One table for all variables
Graphical Trends	Display Duration : 30, 60, 90 min, 3, 6, 12 hours

■ Standard Accessories

3-lead ECG cable	1ea
electrodes	10ea
NIBP tubing, 3m long	1ea
Blood pressure cuff,(reusable)	1ea
SpO ₂ sensor extension cable(2 m)	1ea
SpO ₂ sensor(Y type)	1ea
DC adapter, 18VDC, 2.5A	1ea



3-lead ECG Clip



SpO₂ sensor

■ Optional Accessories

Temperature probe, reusable
Thermal paper

Performance >>>

■ ECG

Leads	3 leads
Heart Rate Range	30 to 300 bpm
Heart Rate Accuracy	± 3 bpm
Bandwidth	0.5 Hz to 40Hz
Display Sweep Speeds	25mm/sec
ECG Size (Sensitivity)	0.5, 1, 2, 4 mV/cm
Pacemaker Detection Mode	Indicator on waveform display, user selectable
Differential Input Impedance	>5 MΩ
CMRR	>90 dB at 50 or 60Hz
Input Dynamic Range	± 5 mVAC, ± 300 mVDC
Defibrillator Discharge	<5 s
Defib. artifact recovery time	<8 s
Lead-Off Detection with display indicator	

■ SpO₂

% Saturation Range	0% to 100%
Pulse Rate Range	30 to 300 bpm
SpO ₂ Accuracy	70% to 100% ± 2 digits 0% to 69% unspecified
Pulse Rate Accuracy	± 3 bpm

■ NIBP

Technique	Oscillometric
Measurement Modes	Manual : Single measurement Auto: Automatic intervals of 1,2,3,4,5 10,15,20,30 min. and 1,2,4,8 hr.
Cuff Pressure Display	30 to 300 mmHg
B.P. measurement range	Systolic : 60 to 250 mmHg Mean Arterial Pressure: 45 to 235 mmHg Diastolic : 40 to 220 mmHg

Adjustable Cuff Inflation Pressure

■ Respirations

Range	5 to 120 breaths/min
Accuracy	± 3 breaths/min
Display Sweep Speeds	25mm/sec

■ Temperature

Range	15° C to 45° C (59° F to 113° F)
Accuracy	25° C to 45° C ± 0.1° C 15° C to 24° C ± 0.2° C
Compatible with	YSI Series 400 Temperature Probes

* Specifications can be changed without prior notification.

Bionet

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