

BMO Series

Perfect presentation of vital signs
More comprehensive and scientific parameters



BMO210D Vet

Monitor

Product Features

- 12.1" TFT display, Optional touch screen
- PVI (Pleth Variability Index)
- USB support PDF file export
- Digital SpO2 with excellent performance
- Unique human voice alarm

BMO210D Vet Function

ECG, RESP, TEMP, NIBP,
SPO2, PR

Specially designed for animal hospitals

- 720 hours trend data and 12 hours of all waveforms
- Central station support Nurse Call by wire/wireless network
- 16 languages include: English, French, German, Spanish, Portuguese, and etc

BMO210D Vet Optional

Dual IBP, CO2, Recorder

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ECG

Lead mode

5 Leads, I, II, III, AVR, AVL, AVF, V

Gain

x0.25, x0.5, x1, x2

Heart rate

>20KG 15 ~ 350bpm
<10KG/10~20KG 15 ~ 500 bpm
accuracy ± 1
resolution 1 bpm

Sensitivity

> 200 μ V P-P

Differential Input Impedance

> 5 M ohm

CMRR

Diagnostic Mode >90 dB
Monitor Mode >110 dB
Surgery Mode >110 dB

Electrode offset potential

± 300 mV

Leakage Current

< 10 μ A

PACE pulse detect

range: $\pm 2 \sim \pm 700$ mV
width: 0.1 ~ 2ms
rise time: 10~100 μ s

PACE pulse rejection

range: $\pm 2 \sim \pm 700$ mV
width: 0.1 ~ 2ms
rise time: 10~100 μ s

Baseline Recovery

< 3 s After defibrillation.

Signal Range

± 5 mV p-p

Bandwidth

Surgery 1 ~ 20 Hz
Monitor 0.5 ~ 40 Hz
Diagnostic 0.05 ~ 130 Hz

Calibration Signal

1 mV p-p, $\pm 5\%$ accuracy

ST measurement

range -2.0 ~ +2.0 mV
Accuracy -0.8mV ~ +0.8mV:
 ± 0.02 mV or $\pm 10\%$, which is greater

CO2(选配)

Measuer Range

0% ~ 13%

Resolution

1 mmHg

Accuracy

2 mmHg @ < 5.0% CO2

Breath Rate

3-150 bpm

Respiration

Method

Impedance between RA-LL or RA-LA

Differential Input Impedance

>2.5 M ohm

Respiration Impedance Range

0.3~3 Ω

Base Impedance Range

200 Ω -2000 Ω

Bandwidth

0.3 ~ 2 Hz

Gain

x0.25, x0.50, x1, x2, x4

Respiration Rate

Measurement Range

>20KG 0~120BrPM

<10KG/10~20KG 0~150BrPM

Resolution 1 BrPM

Accuracy

0 ~ 6 BrPM: unspecified

7 ~ 150 BrPM: ± 2 BrPM or $\pm 2\%$, the greater

Inspiriting current < 300 μ A RMS max

Apnea Alarm

10 ~ 40 s

Temperature

Channel

2

Measure and Alarm Range

0~50 $^{\circ}$ C

Resolution

0.1 $^{\circ}$ C

Accuracy

$\pm 0.2^{\circ}$ C

IBP(optional)

Excitation Voltage

+ 5Vdc $\pm 2\%$

Sensitivity

5uV/V/mmHg

Channels

2 channels

Measuer Range

-50~ 360 (mmHg)

Resolution

1mmHg

Accuracy(no sensor)

$\pm 2\%$ or ± 1 mmHg, the greater

Band Width

Normal mode: DC ~ 40Hz

Smooth mode: DC ~ 12.5Hz

NIBP

Pulse Rate Range

40-240 bpm

Measure and Alarm Range

SYS 40~280mmHg
DIA 10~220mmHg
MEAN 20~240mmHg

Static pressure accuracy

± 3 mmHg

Resolution

1mmHg

Accuracy

Maximum Mean error ± 5 mmHg
Maximum Standard deviation 8mmHg
Overpressure Protection 300 mmHg

SpO2

Measurement Range

0~100%

Resolution

1%

Accuracy

$\pm 2\%$ for 70% ~ 100%
0% ~ 69% unspecified

Pulse Rate

Measure and Alarm Range 20~250bpm

Resolution 1bpm

Accuracy ± 3 bpm

Recorder(optional)

Paper width

48 mm

Speed

25/50 mm/s

Wave Channel

3 channels



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