



M8500 Vet

Multi-Parameter Veterinary Monitor



- 8" TFT LCD High-Resolution Display with up to 9 waveforms
- Lightweight and compact portable design
- Nellcor/Masimo SpO2 technology ensure perfect motion resistance and low perfusion resistance performance
- Suntech Vet NIBP technology provide faster, safer and more accurate measurement
- Two CO2 parameter options: Philips CAPNOSTAT Mainstream CO2 / Philips LoFlo CO2
- Nurse call enable patients to attract a nurse's attention whenever needed
- Large capability battery with over 5 hours continuous usage
- Powerful data storage capability for trend data, alarms, NIBP measurements

Technical specifications

Dimension: 210mm(H)×258mm(W)×180mm(D)
Weight: < 3.5kg (include recorder and battery)
Power Voltage: AC 100~240V 50/60Hz
Power Input: ≤70VA

Battery

Type: 11.1V/4.0AH, Rechargeable
Lithium ion battery
Operating time under the normal use and full charge: ≥5 hours
Operating time after the first alarm if low battery: ≥10 minutes

Display

Size: 8" Color TFT-LCD
Resolution: 800×600 pixels

Trend & Review

Trend data: 72 Hours
NIBP measurement review: 750 Groups
Alarm Events: 1000 Groups

Recorder

Method: Thermal dot array
Paper width: 50 mm
Record width: 40 mm
Paper Speed: 12.5 mm/s, 25 mm/s, 50 mm/s
Traces: Maximum 3 tracks

Nurse Call signal

Driver mode: Relay
Specs: ≤60W, ≤2A, ≤36VDC, ≤25VAC
Isolated voltage: 1500VAC
Type: N.C., N.O.

ECG

Lead Mode: 3/5 leads ECG input
Lead selection: I, II, III, aVR, aVL, aVF, V
Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
Input impedance: ≥5.0 MΩ
CMRR: ≥105dB
Sweep speed: 12.5 mm/s, 25 mm/s, 50 mm/s

HR

Measurement Range: 10-350BPM
Accuracy: ±1% or ±1 bpm, whichever is greater

RESP

Method: Impedance variation between RA-LL (R-F)
Measuring impedance range: 0.2 ~3Ω
Accuracy: ±2 bpm

NIBP

Technique: Automatic Oscillometry
Range of measurement: SYS 30~270 mmHg
DIA 10~220 mmHg
MEAN 20~235 mmHg
Pressure Accuracy: ±2% or ±3 mmHg, whichever is greater
±5 mmHg average error
8 mmHg standard deviation
Unit: mmHg, kPa
Pulse rate range: 40 ~ 240 bpm
Inflation time for cuff: Less than 40s. (standard cuff)
Overpressure Protection(Hardware and software double protections):
Large animal 315±10 mmHg
Medium size animal 265±10 mmHg
Small animal 255±10 mmHg

Suntech Advantage NIBP

Technique: Automatic Oscillometry
Range of measurement:
SYS 40~265 mmHg
DIA 20~200 mmHg
MEAN 27~222 mmHg
Pressure Accuracy: ±3 mmHg
Unit: mmHg, kPa
Pulse rate range: 25 ~ 300 bpm
Inflation time for cuff: <75s
Measurement protection time: <180s

BLT SpO2

Measurement Range: 0~100%
Resolution: 1%
Accuracy: At 70~100%, ±2%
At 0~69%, unspecified
Data update period: <13s

PR

Measurement Range: 25~250 bpm
Resolution: 1 bpm
Accuracy: ±1% or ±1 bpm, whichever is greater
Data update period: <13s
Alarm: 0~300 bpm, continuously adjustable between upper limit and lower limit.

Masimo SpO2

Measurement range: 0% to 100%
Resolution: 1%
Accuracy: 70% to 100%:±2% (Medium Size and large animal, non-motion conditions)
70% to 100%:±3% (small animal, non-motion conditions)
70% to 100%:±3% (motion conditions)
0% to 69%, unspecified

Nellcor SPO2 (Pulse Oximetry)

Measurement Range: 0-100%
Accuracy: At 70~100%, ±2 digits
At 0~69%, unspecified
Perfusion Range: 0.03% ~ 20%
Data update period: Average 7s

TEMP

Measurement Range: 0.0~50.0°C
Unit: Celsius (°C), Fahrenheit (°F)
Resolution: 0.1°C
Accuracy: ±0.1°C

CO2 (Philips Mainstream)

Method: Infrared spectrum
Measurement Range 0 ~ 19.7%(0 ~ 150 mmHg)
Resolution: 1 mmHg
Accuracy: 0 ~ 40 mmHg, ±2 mmHg
41 ~ 70 mmHg, ±5% of reading
71 ~ 100 mmHg, ±8% of reading
101 ~ 150 mmHg, ±10% of reading
Respiration Rate Range: 0~150 rpm
Respiration Rate Accuracy: ±1 rpm

CO2 (Philip LoFlo)

Measure method: Infrared spectrum
Warm up time: Capnogram displayed in less than 20 s, At ambient temperature of 25°C, full specifications within 2 minutes
Measurement Range: 0 ~ 19.7%(0 ~ 150 mmHg)
Resolution: 1mmHg
Accuracy(at 760 mmHg, ambient temperature of 25°C):
0 ~ 40 mmHg, ±2 mmHg
41 ~ 70 mmHg, ±5% of reading
71 ~ 100 mmHg, ±8% of reading
101 ~ 150 mmHg, ±10% of reading

Standard configuration

3/5 Lead ECG, HR, RESP, NIBP, SpO2, PR, TEMP, Rechargeable Lithium ion battery

Option

2-TEMP, Thermal Recorder, Suntech NIBP, Nellcor SpO2, Masimo SpO2, CO2(Mainstream, Microstream)

M8500 vet-z1805-01

Guangdong Biolight Meditech Co., Ltd.

Add: NO.2 Innovation First Road, Technical Innovation Coast, Hi-tech Zone, Zhuhai, P. R. China, Postcode: 519085

Tel: +86-756-3399935 Fax: +86-756-3399911 E-Mail: overseas@blt.com.cn www.blt.com.cn