BLT BIOLIGHT

S12 Vet

Compact Veterinary Monitor

- Monitoring parameters of all vital organs
- 12.1" TFT LCD capacitive touch screen
- Equipped with the accessory box, the medical staff will be more convenient to store and take out the accessories
- Drip monitoring function helps the healthcare workers to set the drip rate and gives a safer infusion to the patient

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Intuitive multi-finger gestures

Adjust brightness automatically based on ambient light

LAN/ Wireless connections

S12 Vet – Compact Veterinary Monitor

Size & Weight
Dimension: 175mm X 320mm X 262mm
Weight: < 4kg

Display
Size: 12.1"
Type: Color TFT LCD
Resolution: 800×600 pixels

Power Supply
Input voltage: AC (100-240) V (±10%)
Frequency: 50Hz/60Hz
Input power: 1.7A -0.8A

Battery
Type: Rechargeable li-ion battery, 11.1V 2.5Ah/ 5.0Ah
Operating time: >240/ 480 minutes (2.5Ah/ 5.0Ah) (1 new and fully charged battery at 25°C temperature, connecting SpO2 sensor & NIBP work on AUTO mode for 30 minutes interval)
Charge time: <6 / 12 hours (2.5Ah / 5.0Ah)

Data storage
Alarm event: 3000 groups and associated waveform
Trend: 180h, minimum resolution is 1min
6h, minimum resolution is 5s
ARR event: 3000 groups and associated waveform
NIBP: 2400 groups
Holographic waveform: 72 hours

Interfacing & I/O devices
Keyboard & Mouse: Support
Barcode Scanner: Support 1D barcode (USB connector)
Wired network: 1 standard RJ45 interfaces
Wifi (option): Protocol: IEEE802.11a/b/g/n
Wifi frequency: Dual Band: 2.4G/5G
USB socket: 2 sockets
Video output: 1 VGA (option)

Recorder
Type: Thermal dot array
Paper width: 50 mm ±1mm
Recording speed: 12.5 mm/s, 25 mm/s, 50 mm/s
Recording waveform: Maximum 3 tracks

ECG
Lead: 3-lead: I, II, III
5-lead: I, II, III, aVR, aVL, aVF, V-
6-lead: I, II, III, aVR, aVL, aVF,Va, Vb
12-lead: I, II, III, aVR, aVL, aVF,V1~V6
Auto: identify leads automatically
Indication of lead-off: Every electrode
Support ST, QT and ARR functions
Bandwidth (-3dB): Diagnostic mode: 0.05~150Hz
Monitor mode: 0.5~40Hz
Operation mode: 1~25Hz
ST mode: 0.05~40Hz
Signal quality display: Expression way: numerical display and waveform color.
HR measurement range: 10~400 bpm
HR resolution: 1 bpm
HR accuracy: ±1% or ±1 bpm, whichever is greater

RESP
Measurement parameter: Respiration Rate and respiration waveform
Source: RA-LA, RA-LL (default)
Measurement range: 0~150 rpm
Resolution: 1 rpm
Accuracy: ±2 rpm or ±2%, whichever is greater.
Respiration Apnea Alarm: Fixed high priority alarm

BLT NIBP
Measurement parameters: SYS, DIA, MAP,PR
Mode of operation: Manual, Auto, STAT, Sequence
Measurement range of cuff pressure: 0~300 mmHg
Initial inflation pressure:
Big animal: 120~280mmHg, default 160mmHg
Small animal: 60~280mmHg, default 160mmHg
Technique: Automatic Oscillometry
Dynamic pressure measurement range:
SYS 30~270 mmHg (4.0 ~ 36.0 kPa)
DIA 10~220 mmHg (1.3 ~ 29.3 kPa)
MEAN 20~235 mmHg (2.7 ~ 31.3 kPa)
Dynamic Pressure Measurement Error of Simulator: ±8 mmHg (±1.1kPa)
Static pressure accuracy: ±3 mmHg (±0.4kPa)
Pressure resolution: 1 mmHg or 0.1kPa
PR Measurement range: 40 ~ 240 bpm
PR accuracy: ±3bpm or ±3%, whichever is greater

TEMP
Parameter: T1,T2,TD
Measurement site: Surface and coelom
Measuring range: 0.0~50.0℃ (32℉~122℉)
Resolution: 0.1℃ or 0.1℉
Accuracy of circuit : ±0.1℃ (±0.2℉) (without sensor)

BLT SpO2
Measuring range: 0~100%
Sensitivity: High, Medium, Low
Accuracy:
At 70~100%, ±2%
At 0~69%, unspecified
PR measurement range: 25 bpm ~400 bpm
PR resolution: 1 bpm
PR accuracy: ± 3bpm (non-motion conditions)
PI measurement range: At least 0.05~20.00%
PI resolution: 0.01%
PI accuracy: ±0.1% or ±10% of reading, whichever is greater

CO2
Measurement parameter: EtCO2, FiCO2, a CO2 waveform and awRR
Measurement method: Mainstream, Sidestream/Microflow
Unit: mmHg, kPa and %
EtCO2/FiCO2 measurement range: 0% ~ 19.7% (0mmHg ~ 150mmHg)
EtCO2/FiCO2 measurement accuracy: ± (0.43% + 8% of reading)
EtCO2/FiCO2 display resolution: 0.1% or 1mmHg
awRR measurement range: 0 ~ 150 bpm
awRR measurement accuracy: ±1 bpm

IBP
Static pressure measurement:
Measurement range: -6.7kPa ~ + 48.0kPa (-50mmHg ~ + 360mmHg)
Resolution: 1mmHg
Accuracy: ±0.3kPa (±2mmHg) or ±2%, whichever is greater (without sensor)
Dynamic pressure measurement:
Measurement range: -6.7kPa ~ + 48.0kPa (-50mmHg ~ + 360mmHg)
Accuracy: ±0.3kPa (±2mmHg) or ±2%, whichever is greater (without sensor)
IBP zero range: -200mmHg ~ +200mmHg
Measuring range : -50~300 mmHg
Resolution : 1 mmHg
PR measurement range: 30 bpm ~300 bpm
PR resolution: 1 bpm
PR accuracy: ±1% or ±1bpm whichever is greater

C.O.
Measurement range
C.O.: 0.1 L/min to 20 L/min
TB: 23.00°C ~ 43.00°C
TI: -1.0°C ~ 27.0°C
Resolution
C.O.: 0.1 L/min
TB: 0.01°C
TI: 0.1°C
Accuracy
C.O.: ±5% or ±0.1L/min, whichever is greater
TB: ±0.1°C
TI: ±0.1°C

Standard Configuration:
3/5/6 lead ECG, HR, SpO2, PI, RESP(from pleth), NIBP, Temp, Dual-Temp(S12), Capacitive Touch Screen, Rechargeable Li-ion battery (2.5Ah)

Optional Configuration:
Drip monitor(DM), 12 lead ECG, Voice assistant, VGA output, Rechargeable Li-ion battery (5Ah), 2-IBP, C.O., Mainstream/Microflow EtCO2, Thermal Printer, Rolling stand, Wall mount

Sold and serviced by -
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