

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 •



Unique voice assistant



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, V_a, V_b
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, T_D
Measurement site: Surface and coelom
Measuring range: 0.0~50.0°C (32°F~122°F)
Resolution: 0.1°C or 0.1°F
Accuracy of circuit : ±0.1°C (±0.2°F) (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

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