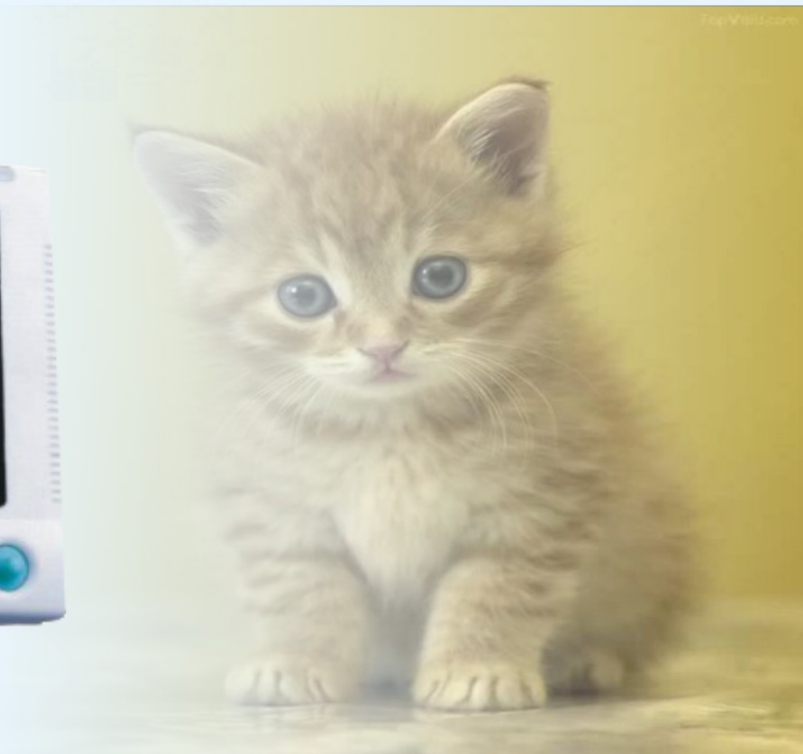


S80Vet

Portable Veterinary Monitor



Features

- 10" color TFT display with 10 waveforms
- Maximum 120-hour graphic and tabular trends of all parameters
- With high-end parameters: 2-IBP, EtCO2
- Application from small to large animals
- Veterinary specific vital sign ranges

TECHNICAL SPECIFICATION:

S80Vet

Size and Weight

- Size: 318mm×264mm×152mm
- Weight: 4.5kg

Power supply

- Power Voltage: AC 100-240V 50/60Hz
- Power Input: $\leq 85\text{VA}$
- Fuse: T1.6AL/250V, 5x20(mm)
- Battery :Rechargeable lead and cell, 12V/2.0AH

Display

- 10" Color TFT-LCD
- Resolution: 800x600 pixels or higher

Battery

- Type: Rechargeable Acid Battery (Option Lithium battery)
- Operating time under the normal use and full charge: ≥ 120 minutes
- 2 batteries ≥ 240 minutes (Option Lithium battery will double operate time)

Thermal Recorder (Option)

- Method: Thermal dot array
- Paper width: 50mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces: Maximum 3 tracks

Alarm

- Three Levels: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarm can be silenced
- Volume: 45-85 dB measured at 1 meter distance

Trend and Reviewing

- Storage and Reviewing: 120 hours trend data and trend maps
- Parameters option: HR, SpO2, NIBP, PR, RESP, EtCO2, Temp1, Temp2
- Alarm: 1800 groups alarm events reviewing
- NIBP: 1800 groups NIBP measurement

ECG

- Lead Mode: 3-leads ECG
5-leads ECG (Standard)
12-leads ECG (Option)
Lead selection: I, II, III
I, II, III, aVR, aVL, aVF, V-
I, II, III, aVR, aVL, aVF, V1 ~ V6 (option)
- Gain: 2.5mm/mV (×0.25), 5mm/mV (×0.5), 10mm/mV (×1)
20mm/mV (×2), 40mm/mV (×4), Auto
- Insulation Breakdown Voltage 4000VAC 50/60Hz
- Sweep speed: 12.5mm/s, 25mm/s, 50mm/s
- Accuracy: $\pm 1\%$ or $\pm 1\text{bpm}$, whichever is greater
- Range: 10~300bpm

RESP

- Method: Impedance variation between RA-LL (R-F)
- Gain: ×1, ×2, ×4
- Bandwidth: 0.25Hz to 2.0Hz (-3dB)
- Sweep Speed: 6.25mm/s, 12.5mm/s, 25mm/s
- Measurement Range: 0~150 rpm

NIBP

- Method: Automatic oscillometry
- Range of measurement:
SYS: 30~270mmHg

Standard configuration of S80Vet:

ECG, HR, RESP, SpO2, NIBP, 1-TEMP, Acid Battery

Optional parameter & configuration of S80Vet:

2-IBP, 2-TEMP, EtCO2 (Sidestream), Thermal recorder, Lithium Battery

Specification subject to be changed without prior notice.

DIA: 10~220mmHg

MEAN: 20~235mmHg

- Total cycle time: 20 to 45 seconds normally
- Unit: mmHg, kPa
- Intervals for AUTO measurement time: 1, 2, 3, 4, 5, 10, 15, 20, 30, 45, 60, 90 minutes; 2, 4, 8 hours

Standard SpO2

- Measurement Range: 0~100%
- Accuracy: At 70~100%, $\pm 2\%$
At 0~69%, unspecified
- PR Measurement Range: 25~250bpm
- Alarm: User-selectable upper and lower SpO2 limits

TEMP

- Measurement Range: 25.0°C~50.0°C
- Accuracy: $\pm 0.1^\circ\text{C}$ (exclusive of probe)
- Unit: Celsius (°C), Fahrenheit (°F)
- Connecting cable: Compatible with YSI-400

IBP

- Channel: 2
- Measurement way: Directly invasive pressure measurement
- Sensitivity of transducer: 5uV/V/mmHg, $\pm 2\%$
- Impedance of transducer: 300 to 3000Ω
- Measurement Range: -50~+350mmHg
- Resolution: 1mmHg
- Unit: mmHg, kpa, cmH2O
- Accuracy:
Static: $\pm 1\text{mmHg}$ or $\pm 2\%$, whichever is greater (exclusive of transducer)
 $\pm 4\text{mmHg}$ or $\pm 4\%$, whichever is greater (inclusion of transducer)

Dynamic: $\pm 4\text{mmHg}$ or 4%, whichever is greater

Transducer sites:	Arterial Pressure (ART)
	Pulmonary Artery Pressure (PA)
	Left Atrium Pressure (LAP)
	Right Atrium Pressure (RAP)
	Central Venous Pressure (CVP)
	Intracranial Pressure (ICP)

EtCO2 (Sidestream)

- Measure method: Infrared spectrum
- Measure Range: 0.0~13.1% (0~99.6mmHg)
- Resolution: 1mmHg
- Unit: %, mmHg, kpa
- Accuracy: 0% to 4.9%, $\pm 0.3\%$ ($\pm 2.0\text{mmHg}$)
5.0% to 13.1%, $\leq \pm 10\%$ of the reading
- Measurement range of awRR: 3~150rpm
- Calibration: Offset calibration: auto, manual, Gain calibration

Environment

- Operating temperature: 0~+40°C, 32~122°F
- Transportation and Storage temperature: -20°C to +50°C
- Relative humidity: Working $\leq 85\%$
Transportation and storage $\leq 93\%$
- Atmospheric pressure: 860hPa to 1060hPa
Transportation and storage 500-1060 hPa



Sino-Hero (Shenzhen) Bio-Medical Electronics Co., LTD.

Address: Unit 608, 6/F., First Building, ZhongXing Industrial Park, Chuangye Road, Nanshan District, Shenzhen 518054, P. R. China

Tel: 86-755-26408541

Fax: 86-755-26420566

E-mail: manager@sinoheromed.com



Http://www.sinoheromed.com

ENG-S80Vet-20111014