

HANDHELD MONITOR

touching for life

 **SM50 Vet**



Technical Specification

SM50 Vet

Standard SpO2

- Accuracy: 70% to 100%: $\pm 2\%$, unspecified 0% to 69%:
- Range: 0-100%
- Alarm Range: Same as display range, alarm limit setup length is 1%

PR

- Range: 20bpm ~ 254bpm
- Alarm Range: Same as display range, alarm limit setup length is 1bpm
- Refreshing Rate: About 1 second
- Accuracy: ± 3 bpm
- PR Average: 8 second
- Pitch Tone: Yes

TEMP

- Accuracy: $\pm 0.2^{\circ}\text{C}$ ($0^{\circ}\text{C} \sim 50^{\circ}\text{C}$)
- Range: $0^{\circ}\text{C} \sim 50^{\circ}\text{C}$
- Alarm Range: Upper limit $0.1^{\circ}\text{C} \sim 50.0^{\circ}\text{C}$, Lower limit $0.0^{\circ}\text{C} \sim 49.9^{\circ}\text{C}$
- Unit: $^{\circ}\text{C}$ or $^{\circ}\text{F}$
- Alarm Delay Time: $<10\text{s}$

Mechanical

- Size: 175 mm (h) x 85 mm (w) x 32 mm (d)
- Weight: Single SpO2 version 280g, SpO2+NIBP+TEMP version 370g

Battery

- Input Power: 100-240 VAC, 0.4A, 50/60Hz, $\pm 10\%$
- Type: Lithium ion
- Capacity: 3.7V/4000mAh
- Working Time: Brand new battery with fully charged ≥ 15 hours
- Charging Time: Around 8 hours

I/O

- Display: 3.5" LCD 480*320 pixels
- Buttons: 3 shortcut keys, 5 function keys

Communication Interface

USB

Environmental Specification

- Temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- Humidity: 15% ~ 80%, Non - Condensing
- Patients Range: Big animal, middle animal, small animal

NIBP

- Method of Measurement: Oscillation
- The Measured Parameters: SBP, DBP, MAP
- Unit: mmHg or kPa
- Operating Mode: Manual, automatic, continuous
- SBP Range: Horse/Dog: 30mmHg~270mmHg, Cat: 30mmHg~220mmHg
- DBP Range: Horse/Dog: 10mmHg~220mmHg, Cat: 10mmHg~195mmHg
- MAP Range: Horse/Dog: 20mmHg~235mmHg, Cat: 20mmHg~205mmHg
- Accuracy: $\pm 5\text{mmHg}$ or $\pm 4\%$, whichever is the greater
- Range: Same as display range, alarm limit setup length is 1mmHg
- Alarm Delay Time: $<10\text{s}$
- Cuff Pressure Range: 0 mmHg ~ 300 mmHg
- Cuff Inflation Speed: Cuff Inflation Speed $\leq 50\text{mmHg/s}$
- Static Pressure Measurement Error: $\pm 3\text{mmHg}$ (not up to over pressure protection)
- Display Resolution: 1mmHg

- **Standard Parameter:** Standard SpO2, Pulse Rate, Plath bar & SpO2 Waveform, Rechargeable Lithium Battery, Battery Charging Seat
- **Optional:** NIBP Function and Accessories, TEMP Function and Accessories

Specification subject to be changed without prior notice.

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