



## Vital Signs Monitor **VS3**

## VS3 Vital Signs Monitor

VS3 is specially designed for spot checking of patient vitals for important parameters such as NIBP, SpO2, temperature and Heart Rate. Using infrared Ear temperature measurement technology, the ear thermometer can quickly read the figure of temperature in ~2-3 seconds, as well as transfer and display the figure on monitor by the built-in Wifi between ear thermometer and vital signs monitor VS3. It combines with smart and aesthetic design having super li-ion battery and clear screen, totally meets the fastest support for hospital use.

Precision and hermitic design, it is able to withstand 1.2 meters' drop test

Super li-ion battery provides more than 12 hours of cautiously monitoring

The net weight is 1.25kg, small enough and light enough to ward round monitoring, Various wall mount and trolley movement solutions

Antioxidant and abrasion resistant material: PC-ABS alloy material, anti-shock, thermostability and solidity

### Quick and easy to use, accurate measurement



Using contactless pyroelectric infrared technology to get the ear temperature, the measurement time is only needed 2 to 3 seconds; effectively prevents the risk of cross infection

- Built-in WIFI module for TEMP function, patient's temperature data is quickly transferred to NC3 by WIFI, as well as the figure is displayed on screen, convenient to measure different patient, it shorten the time and cuts the elinical application cost
- Rapid NIBP measurement technology, it shorten the measuring time to ~20-30 seconds from former 60~120 seconds, provides PR figure display
- Quickly switches the relative parameters for different type of patient such as adult, child and neonate
- Optional Masimo SpO2 with PI(perfusion index) figure display, PI provides caregiver with an indication of the reliability of SpO2 measurement



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6 inch LED back-light LCD display provides a clear and distinct view

Short time to start up, it just takes 1seconds to go into normal operation interface

### Smart and lightweight, sturdy and durable

- The net weight is 1.25kg, small enough and light enough to ward round monitoring
- 6 inch LED back-light LCD display provides a clear and distinct view
- Various wall mount and trolley movement solutions
- Precision and hermitic design, it is able to withstand 1.2 meters' drop test
- Liquid protection grade gets to IPX1, effectively prevents the damage by liquid

### To meet elinical need, excellent vital signs monitor

50 groups of data storage, easy to review

Super li-ion battery provides more than 12 hours of cautiously monitoring

Various accessories of NIBP and SpO2 meet the need of different patients including adult, child and neonate

# VS3 Vital Signs Monitor

## Standard Configuration

Okuman SpO2, NIBP

### Optional:

Ear TEMP ,Masimo SpO2, Nellcor SpO2

### Safety Standards

ISO 13485:2003 approved, CE marking according to MDD93/42/EEC

Patient type Adult, Child, Neonate

### Physical Characteristics

Product Size: 130mm×125mm×219mm  
Net Weight: 1.25kg (standard configuration)

### Display

Type: 6" LED, code display

### Operation Environment

Temperature: 0-40°  
Humidity: 15%-95%

### Power requirement:

AC Voltage: 100-240V~, 50/60Hz

### Battery:

Battery Type: Rechargeable Lithium-ion battery  
Battery Capacity: 2200mAh  
Continuously working time: 12 hours  
Battery Recharging Time: Maximum 3.5 hours for charging;

### Date storage

NIBP Recall: 50 groups  
Interface: RS-232 Ethernet interface  
AC interface  
Grounding pole  
Multi-function interface to connect with sub-monitor and plug in slot

### Okuman SPO2

Measurement & alarm range 0~100%  
Resolution: 1%  
Accuracy: ±2% (70~100%,Ped, non-motion)  
±3% (70-100%, Neo, non-motion);  
0-69% unspecified  
Pulse rate: Range: 20-254bpm  
Resolution:1bpm  
Accuracy: ±3bpm(non-motion)  
±5bpm(motion)

### Nellcor SpO2

Measurement & alarm range: 0~100%  
Resolution: 1%  
Accuracy: ±2% (70-100%, MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I and MAX-FAST sensors);  
±3% (70-100%, D-YS, DS-100A, OXI-A/N and OXI-P/I sensors);  
0-69% unspecified  
PR Measurement Range: 25~300bpm  
Resolution: 1bpm  
Accuracy: ±3bpm

### Masimo SpO2

Measurement & alarm range: 1~100%  
Resolution: 1%  
Accuracy: ±2% (70~100%,Ped, non-motion)  
±3% (70-100%, Neo, non-motion);  
0-69% unspecified  
Alarm range: 0~100%  
Pulse rate: Range: 25~240bpm  
Resolution: 1bpm  
Accuracy: ±3bpm(non-motion)  
±5bpm(motion)

### NIBP

Method Automatic oscillometric  
Work mode: Manual  
Measurement Unit: mmHg / Kpa selectable  
Measurement types: Systolic, Diastolic, Mean  
Range of systolic pressure: Adult Mode:40-270mmHg  
Pediatric Mode:40-200mmHg-  
Neonate Mode 40-135mmHg  
Range of diastolic pressure: Adult Mode:10-215mmHg  
Pediatric Mode:10-150mmHg  
Neonate Mode 10-100mmHg  
Range of mean pressure: Adult Mode:20-235mmHg  
Pediatric Mode:20-165mmHg  
Neonate Mode 20-110mmHg  
Over-pressure protection: both Hardware and software  
over pressure protection  
Less than ±5mmHg

Accuracy: 1mmHg  
Resolution: 1mmHg  
PR from NIBP: 40-240bpm

### Ear Thermometer

Measurement range: 34-42.2°C  
Resolution: 0.1°C  
Accuracy: ±0.2°C (without probe)



1984



ISO13485:2003



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