

NewTech®



NewTech  
VS II/VS III/VS V

# Vital Signs Monitor

Innovation with Medical Technologies

## Technical Specifications

### NIBP

*Method* Intelligent oscillation

*Cuff inflation time* ≤10seconds (typical adult cuff)

*Air release time while the measurement is canceled* ≤2 seconds (typical adult cuff)

### Initial cuff inflation pressure

Adult mode <180mmHg

Pediatric mode <120mmHg

Neonate mode <90mmHg

### Overpressure protection limit

Adult 300 mmHg

Pediatric/Neonate 140 mmHg

### Typical measurement range

Systolic 50mmHg~240mmHg

Diastolic 15mmHg~180mmHg

MAP 25mmHg~200mmHg

### Measurement accuracy

Systolic ±8mmHg

Diastolic ±8mmHg

MAP ±8mmHg

*Measurement mode* Manual, Auto, STAT

### SpO2

*Sensor* Dual-wavelength LED

*SpO2 measurement range* 35%~100%

### SpO2 measurement accuracy

75% - 99% ±2%

35% - 74% ±3%

### Low perfusion performance 0.4%

*Pulse rate measurement range* 30bpm~250bpm

*Pulse rate measurement accuracy* ±2bpm or 2% whichever is greater

### Recorder

*Recording speed* 25mm/s

*Recording speed accuracy* ≤5%

### Power

*Power voltage* 100~250VAC

*Power frequency* 50/60 Hz

*Fuse specification* T3.15AL/250V Φ5×20mm

*Internal power supply* 12VDC (rechargeable)

*Battery specification* 12V 2.3AH (sealed lead-acid battery)

NOTE: Specifications subject to change without prior notice.

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# NewTech VS II/VS III/VS V Vital Signs Monitor

## Differences between

Models	Configurations	
	SpO <sub>2</sub>	NIBP
NewTech VS II	Yes	No
NewTech VS III	No	Yes
NewTech VS V	Yes	Yes

## Features

- Big and bright numerical LEDs display of Blood Pressure, SpO<sub>2</sub> and Pulse Rate
- Dot matrix LCD display of Plethysmogram and system parameters
- Accurate NIBP measurement with hardware and software over-pressure protection
- Unique SpO<sub>2</sub> measuring technique ensuring sensitive and accurate SpO<sub>2</sub> and Pulse Rate measurement
- Up to 96-hour data trend memory and recall
- Up to 400 groups of NIBP measurements can be stored and listed
- Audible & visible alarm function
- Nurse call output is available
- Selectable NIBP measurement, applicable to adult, pediatric and neonate
- Optional built-in printer
- CE certified