



## VS-800 NEW VITAL SIGNS MONITOR

- Suitable for adult, pediatric and neonatal patients
- Large color LEDs for numerical display
- High resolution LCD for trend tabular and SpO<sub>2</sub> waveform display
- Masimo SET™ / Nellcor OxiMax™ / Mindray SpO<sub>2</sub>
- Adjustable audible and visual alarms
- Up to 1,200 measured data storage and review
- Exporting data to PC for storage and printing
- Networking with central monitoring station
- Up to 10-hour battery working time
- Easy to carry handle and full mounting solutions

# VS-800

## VITAL SIGNS MONITOR

### Technical Specifications

#### Safety

Meet the requirements of IEC60601 series, CE marking according to MDD93/42/EEC

#### Dimension and Weight

Dimension: 170mm (W) x 240mm (H) x 170mm (D)  
Weight: < 3.5kg (including a battery)

#### Operation Environment

AC Power Requirements: 100-240 VAC ( $\pm 10\%$ ), 50/60 Hz ( $\pm 3$  Hz), 70 VA  
Temperature: 0 - 40°C  
Humidity: 15% - 95%, non-condensing

#### Patient Range

Adult, pediatric and neonatal

#### Performance Specifications

**Display:**  
7 segment LEDs for systolic, diastolic, mean pressures, SpO<sub>2</sub>, and pulse rate  
3.4" FSTN LCD Resolution: 320x160 Pitch 0.24x0.24mm  
**Trace:**  
1 plethysmogram waveform  
**Sweep Speed:**  
25mm/s  
**Indicator:**  
Alarm indicator  
Power indicator  
Battery indicator  
Pulse tone modulation (pitch tone)  
Alarm sound  
**Interface:**  
Network port  
Nurse call interface  
**Trend:**  
Flexible database lists trend for review of up to 1,200 measurements on up to 100 patients  
**Alarm:**  
3-level audible and visual alarm  
**Networking:**  
Connected to Mindray central monitoring system or data exporting system  
**Recorder:**  
Built-in, thermal array, 2 channels  
Record width: 48mm (record paper 50mm)  
Print speed: 25mm/s  
**Lead Acid Battery:**  
Rechargeable  
About 8 hours (Charging time)  
About 4.5 hours (Working time)  
**Li-ion Battery:**  
Rechargeable  
About 8 hours (Charging time)  
About 10.5 hours (Working time)

#### NIBP

**Method:** Automatic oscillometric  
**Operation modes:** Manual/Automatic/STAT  
**Auto measure time:** Adjustable  
**Measurement unit:** mmHg/kPa selectable  
**Measurement types:** Systolic, Diastolic, Mean, Pulse Rate  
**Measurement range:** Adult: 10-270mmHg  
Child: 10-200mmHg  
Neonate: 10-135mmHg

#### Selectable configurations:

NIBP+ Lead acid battery  
SpO<sub>2</sub> (Mindray)+ Lead acid battery  
NIBP + SpO<sub>2</sub> (Mindray)+ Lead acid battery  
NIBP + Masimo SET™ SpO<sub>2</sub> + Lead acid battery  
NIBP + Nellcor Oximax™ SpO<sub>2</sub>+ Lead acid battery

#### Options:

Recorder, Li-ion battery

Over-pressure protection: YES

**Resolution:** 1mmHg  
**Alarm:** Systolic, Diastolic, Mean, Pulse Rate  
**Pulse Rate Range:** 40 - 240 bpm  
**Pulse Rate Resolution:** 1bpm  
**Pulse Rate Accuracy:**  $\pm 2$ bpm

#### Mindray SpO<sub>2</sub>

**Measurement range:** 0 - 100%  
**Resolution:** 1%  
**Accuracy:** Adult/Pediatric:  $\pm 2\%$  (70-100%);  
Neonatal:  $\pm 3\%$  (70-100%);  
0-69% unspecified  
**Alarm range:** 0-100%  
**Pulse rate:** Range: 20-254bpm  
Resolution: 1bpm  
Accuracy:  $\pm 1$ bpm  
Alarm range: 20-254bpm

#### Masimo SET SpO<sub>2</sub>

**Measurement range:** 1-100%  
**SpO<sub>2</sub> accuracy:**  
No motion conditions Adult/Pediatric: 70%-100%  $\pm 2\%$ ; 0-69% unspecified  
Neonate: 70%-100%  $\pm 3\%$ ; 0-69% unspecified  
During motion conditions 70%-100%  $\pm 3\%$ ; 0-69% unspecified  
**Low perfusion performance:**

**Pulse amplitude:** > 0.02%  
**Light transmissivity:** > 5%  
**SpO<sub>2</sub> accuracy:**  $\pm 2\%$   
**PR accuracy:**  $\pm 3$  bpm  
**Range:** 25 - 250 bpm  
**Accuracy:** In static condition:  $\pm 3$  bpm  
In motion condition:  $\pm 5$ bpm

**Pulse Rate:**

#### Nellcor OxiMax SpO<sub>2</sub>

**Measurement range:** 0-100%  
**Compatible sensors:** Nellcor sensor type: OxiMax series MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I, MAX-FAST, MAX-R, OxiCliq A, OxiCliq N, OxiCliq P, OxiCliq I, D-YS, D-YSE, D-YSPD, DS-100A, OXI-A/N and OXI-P/I  
**SpO<sub>2</sub> accuracy:** 70%-100%  $\pm 2\%$ ; 0-69% unspecified (sensors: MAX-A, MAX-AL, MAX-N, MAX-P, MAX-I and MAX-FAST)  
70%-100%  $\pm 2.5\%$ ; 0-69% unspecified (sensors: OxiCliq A, OxiCliq N, OxiCliq P and OxiCliq I)  
70%-100%  $\pm 3\%$ ; 0-69% unspecified (sensors: D-YS, DS-100A, OXI-A/N and OXI-P/I)  
70%-100%  $\pm 3.5\%$ ; 0-69% unspecified (sensors: MAX-R, D-YSE and D-YSPD)

**Pulse Rate:**  
**Range and accuracy:** 20-250 bpm  $\pm 3$  bpm  
251-300 bpm unspecified



DISTRIBUTOR: