VS-900

Vital Signs Monitor

Technical Specifications

Safety	Meets the requirements of IEC60601 series.
Weight	< 2.5kg(including Recorder and battery)

Operation Environment

Temperature	0℃~+40℃(without Temp module), 5℃~+40℃ (with Temp module)
Humidity	15%~95 %, non-condensing
Barometric	427.5~805.5mmHg (57.0kPa~107.4kPa)

Patient TypeAdult, Pediatric, Neonatal

Performance Specifications

Display	Dimension: 8.4″ Resolution: 800×600
Waveform	1 Plethysmogram waveform
Indicators	Alarm indicator Power indicator Battery indicator
Interface	Network port 2 USB port Multifunctional port
Trend	Up to 5,000 measurements
Alarm	3-level audible and visual alarm
Network	Connecting to central monitoring system, and via eGateway to CIS/HIS/EMR/ADT
Recorder	Build-in thermal array recorder Paper speed: 25mm/s
Li-ion battery	Rechargeable Working time up to 8 hours(high capacity battery)/ 3 hours(low capacity battery)

NIBP

Operation modes	Manual/Automatic/STAT/Customized
Measurement unit	mmHg/kPa selectable
Measurement types	Systolic, Diastolic, Mean, Pulse Rate
Measuring accuracy	Max mean error: ±5 mmHg Max standard deviation: 8 mmHg
Measurement range	Adult: 10~270mmHg Pediatric: 10~200mmHg Neonate: 10~135mmHg
Over-pressure protection	Double protection by hardware and software
Resolution	1mmHg
Alarm	Systolic, Diastolic, Mean, Pulse Rate
Pulse Rate Range	40~240 bpm
Accuracy	±3bpm or ±3%, whichever is greater

Mindray SpO_2

Measurement range	0 ~100%
Resolution	1%
Accuracy	Adult/Pediatric: ±2% (70~100%); Neonatal: ±3% (70~100%); 0~69% unspecified
PI range	0.05~20 %
Pulse rate	Range: 20~254bpm
Resolution	1bpm
Accuracy	±3bpm(Without motion), ±5bpm(With motion)

Nellcor SpO_2 (optional)

Measurement range	0~100%
Resolution Accuracy	1% 70%~100%: Adult/pediatric±2%, Neonate±3% 0%~69%, unspecified
Pulse rate	Range: 20~300bpm
Accuracy	20~250 bpm: ± 3 bpm 251~300 bpm: not specified

SmarTemp™ Thermometer (optional)

Monitoring mode	
Measurement range	25℃~44℃(77℉)~111.2℉)
Accuracy	±0.2℃(±0.4℉),25~32℃(77~89.6℉), excluding 32℃(89.6℉) ; ±0.1℃(±0.2℉),32~44℃(89.6~111.2℉), including 32℃(89.6℉).
Predictive mode	
Measurement range	35℃~43℃ (95℉~109.4℉)
Typical measuring time	<12s at ambient temperature 25~28℃ without motion

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Mindray is listed on the NYSE under the symbol"MR"

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VS-900

Vital Signs Monitor

Your trusted companion to help streamline primary care patient monitoring

mindray
healthcare within reach

Intuitive and Easy to Operate

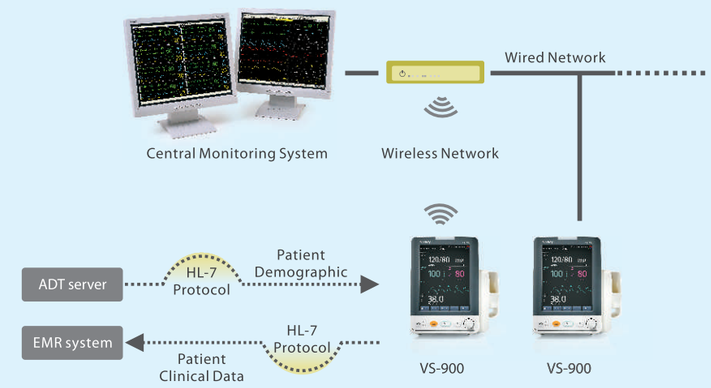
- 8.4" LED back-light LCD display provides a clear and distinct view.
- The optional touch screen with intuitive interface along with the rotary knob and button provide excellent usability.
- Optional barcode scanner allows quick patient admit and patient ID input. The patient information input procedure can be further simplified by accessing the full patient demographic automatically from the ADT server.

Quick Demographic Input

Patient Clinical Data Records

Powerful Patient Data Management

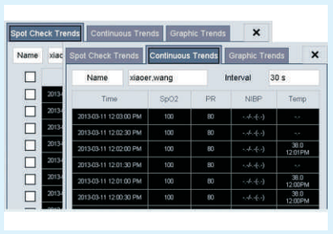
- Stores up to 5,000 patient measurements



VS-900 can be easily connected to the EMR (Electronic Medical Records) system via Mindray's powerful eGateway, both through WiFi or wired connections.
This solution will dramatically simplify the workflow by automating the clinical data collection and ADT procedures, as well as making data review and reporting more convenient during the patient's entire stay.

Convenient Clinical Monitoring

- Manual, automatic and customized NIBP monitoring modes are perfectly suited for different clinical applications.
- PI（perfusion Index) of SpO2 measurement can guide caregivers to find the best measurement position. It is also a valuable indicator for the changing health condition of neonatal patients.
- Spot check and continuous monitoring without adjusting monitoring modes dramatically simplifies the monitoring of a diverse patient population. The convenient patient data review, record and output by patient or by time further ease the caregiver's daily workload.



Convenient Patient Check

Clinical Decision and ER Triage Support

Professional Tool for Clinical Decision Support

- The optional MEWS (Modified Early Warning Score) system offers effective support for clinical decision making and patient triage. Based on PR, RESP, NIBP, Temp and AVPU (alert, voice, pain, unresponsive), the system provides convenient clinical scoring for different severity levels of a patient's condition.