

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

Patient Type Adult, Pediatric, Neonatal

Performance Specifications

Display Dimension: 8.4"
Resolution: 800x600
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 SpO₂

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 SpO₂

Measurement range 0~100%
Resolution 1%
Accuracy 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

Monitoring mode
Measurement range 25°C~44°C (77°F)~111.2°F)
Accuracy ±0.2°C (±0.4°F), 25~32°C (77~89.6°F),
excluding 32°C (89.6°F);
±0.1°C (±0.2°F), 32~44°C (89.6~111.2°F),
including 32°C (89.6°F).

Predictive mode
Measurement range 35°C~43°C (95°F~109.4°F)
Typical measuring time < 12s at ambient temperature 25~28°C
without motion



VS-900

Vital Signs Monitor

Your trusted companion to
help streamline primary care
patient monitoring



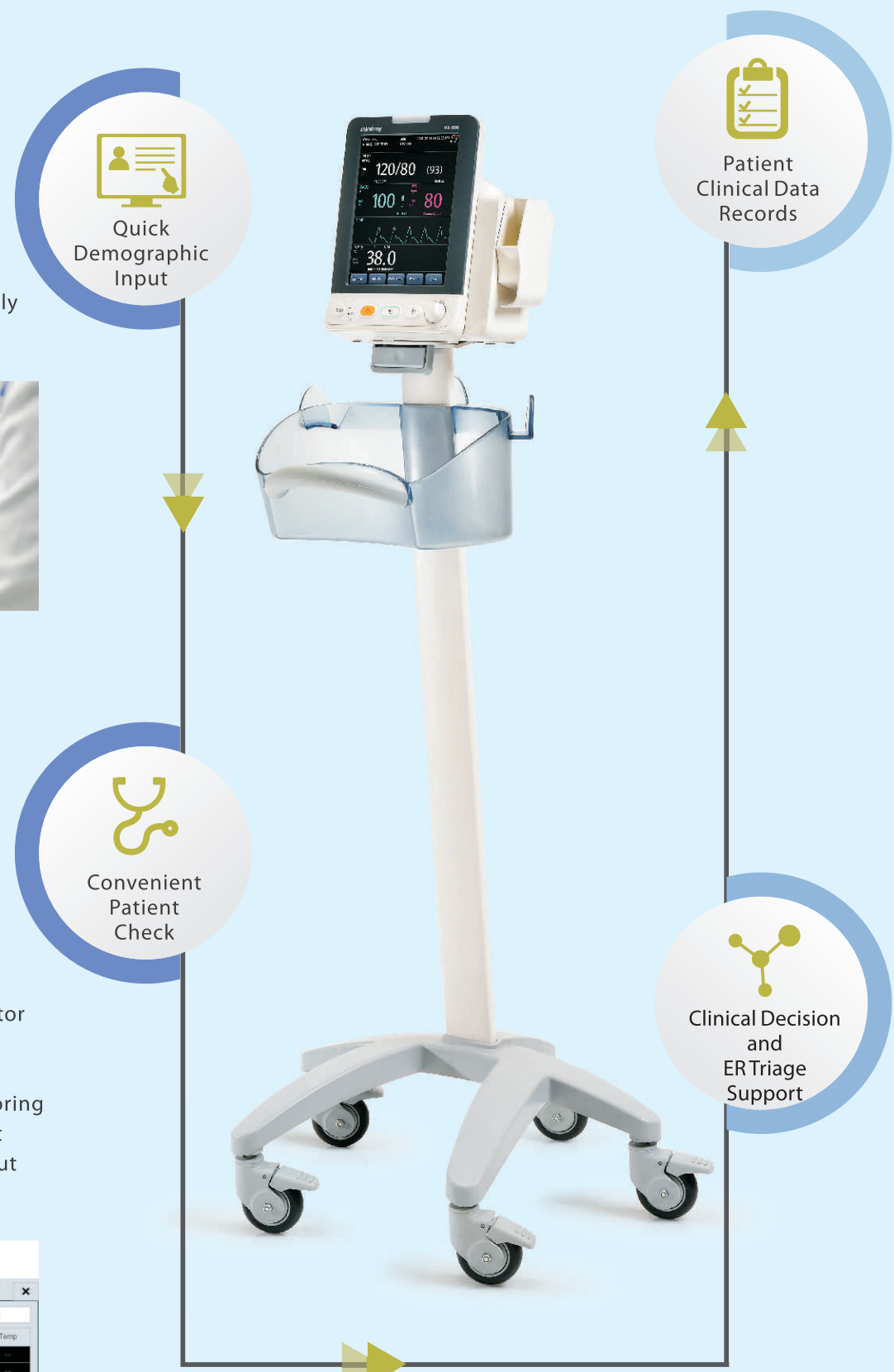
Intuitive and Easy to Operate

- 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.



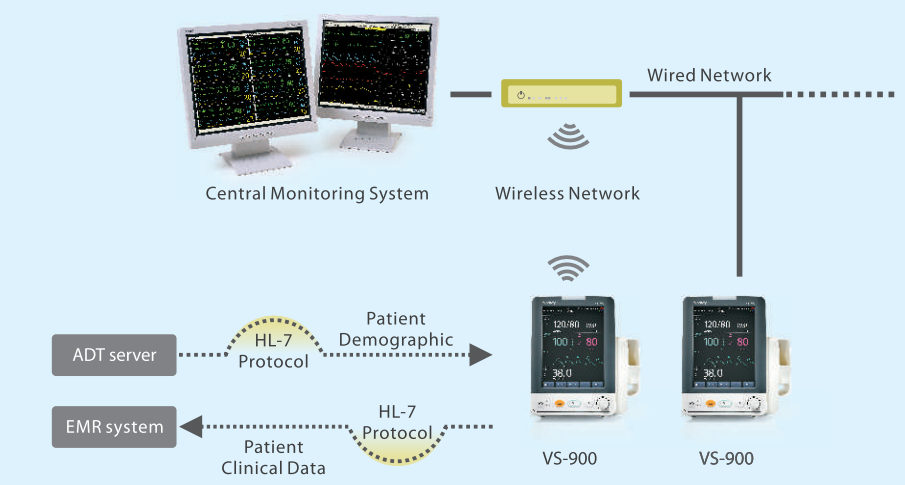
Convenient Clinical Monitoring

- 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.



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.

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.

