



# VS-900

Vital Signs Monitor

Minimising clinical risks and maximising nursing efficiency are key priorities in the emergency department and on wards. From spot checking to continuous monitoring, the Mindray VS-900 is the smart choice for a wide range of hospital settings, providing the advanced capability to calculate Early Warning Scores to help detect patient deterioration and aid in faster clinical decisions.



8.4" TFT touchscreen  
Intuitive operation



360° view indicator of alarm  
Easily identify alarms



8 hours running time  
Rechargeable Li-ion battery



Lightweight and portable  
Weighs less than 2.5kg



Fanless design  
Reduces the risk of cross-contamination



Durable and robust casing  
Validated for cleaning with 23 leading disinfectants

## Maximise Nursing Efficiency

Move easily between patients using the VS-900 roll stand, equipped with many convenient features to make nursing practice much more efficient.



Two storage baskets  
for accessories

Cable management  
hooks to help prevent  
tangling

Barcode scanner  
holster

Durable and quiet wheels,  
comply with IEC60601-1: 2012

Hand sanitiser holder

Waste bag clip,  
with quick release

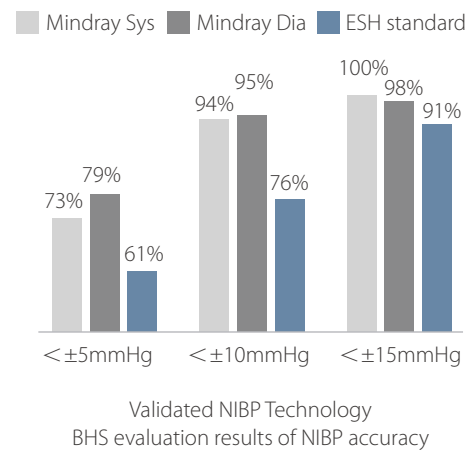
Cleaning wipes holder

# Accurate & Reliable Measurement

VS-900 provides flexible parameter configurations, enabling users to meet their facilities needs. High performance of monitoring technologies provide accurate, trusted measurements.

## Blood Pressure

- Fast, accurate and motion tolerant NIBP
- Algorithm validated by British Hypertension Society (BHS)



## Pulse Oximetry

Industry-leading SpO<sub>2</sub>\* technology

- Mindray SpO<sub>2</sub>
- Nellcor™ OxiMax™
- Masimo SET®

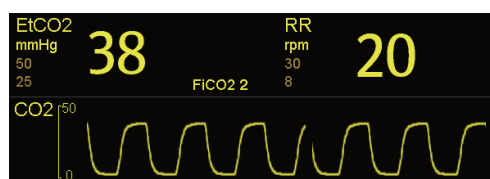
## Temperature

- Exergen TemporalScanner™  
Gentle forehead scanner, paediatric and infant friendly.  
No probe cover required.
- Covidien Genius™ 2 Tympanic Thermometer  
Measurement in less than 2 seconds.
- Mindray SmarTemp™  
Accurate, predictive temp technology. Provides oral, axillary or rectal measurement.



## ARTEMA Sidestream CO<sub>2</sub>

- Portable respiration monitoring for deterioration and recovery.
- Sampling rate of 50ml/min is appropriate to low tidal volume.



# Patient Safety

The Mindray VS-900 provides a point-of-care Early Warning Score (EWS) calculator to help caregivers track and document signs of patient deterioration, aiding faster and more informed patient care decisions.

## VS-900 provides typical EWS protocols, including

- MEWS (Modified Early Warning Score)
- NEWS (National Early Warning Score)
- NEWS2 (National Early Warning Score 2)
- Alternatively, create custom protocols to suit bespoke facility requirements

## Default EWS protocols simplify scoring and support clinical decisions

Automated scoring for improved accuracy and efficiency:

- Vital signs parameters auto populate in score
- Manual parameters added by caregiver
- Aggregate score calculates

Recommended on-screen clinical responses help to standardise caregivers responses

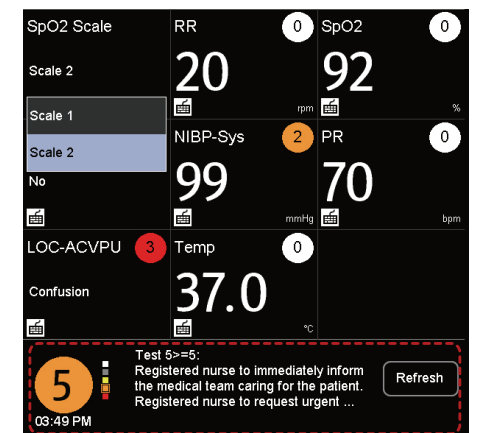
- Support proper response at point of care

Scoring review on VS-900

- Review multiple patients' score on one screen

## Customise an EWS protocol for your facility

- Select up to 20 parameters to score
- Define the clinical responses
- Import the configuration into VS-900 via a USB stick



Name	All	Filter	NEWS	RR	SpO2
2014-11-03 15:55:55	<input type="checkbox"/>		8	30	92
2014-11-03 15:55:29	<input type="checkbox"/>		8	30	92
2014-11-03 15:53:35	<input type="checkbox"/>		4	25	94
2014-11-03 15:51:14	<input type="checkbox"/>		3	30	96



\* Mindray provides 3 options of SpO<sub>2</sub> measurement, Mindray, Masimo and Nellcor. For further information about the availability of Masimo and Nellcor SpO<sub>2</sub>, contact your Mindray Account Manager.



# Workflow Efficiency

Improve patient care and streamline workflow by automating vital signs capture using built-in EWS tools. Caregivers are provided with confidence in the accuracy of data and have more time to spend with their patients.

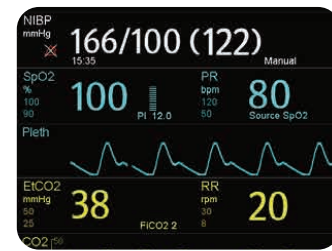
## Spot check workflow



Prepare measurement  
Get VS-900 and accessories on roll stand ready.



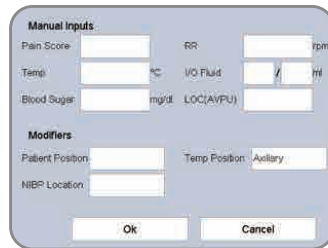
Scan barcode  
Caregiver and patient identification.  
Positive patient ID.



Take automated vitals  
NIBP, SpO<sub>2</sub>, Temp measurements.



Send data  
Data is directly transmitted to the Electronic Patient Record (EPR).



Enter manual parameters  
RR, pain score, blood sugar, height, weight, etc.



Score EWS  
Use protocol to assess the vital signs.

## Accessibility of continuous monitoring

- Reliable SpO<sub>2</sub>, PR, CO<sub>2</sub> continuous monitoring and alarm
- NIBP automatic or customisable intervals, reduce workload
- Tabular & graphic trends review

MRN	SpO2	PR	NIBP	Temp	CO2(Et/Fi)	RR
2016-04-07 21:02:00	100	80	-/-/-	37.6	21.02	38/2
2016-04-07 21:01:30	100	80	-/-/-	37.6	21.01	38/2
2016-04-07 21:01:00	100	80	-/-/-	37.6	21.01	38/2
2016-04-07 21:00:30	100	80	-/-/-	37.6	21.00	38/2
2016-04-07 21:00:00	100	80	-/-/-	37.6	21.00	38/2
2016-04-07 20:59:30	100	80	166/100(122)	37.6	20.99	38/2

# Comprehensive Connectivity Solutions

The Mindray VS-900 helps enhance clinical workflow and efficiency with its flexible and robust connectivity capabilities. Having the VS-900 devices connected to the Central Monitoring Station (CMS) as well as interfaced with the hospital's electronic patient records (EPR), allows caregivers to access secure patient data anytime and anywhere in the hospital.

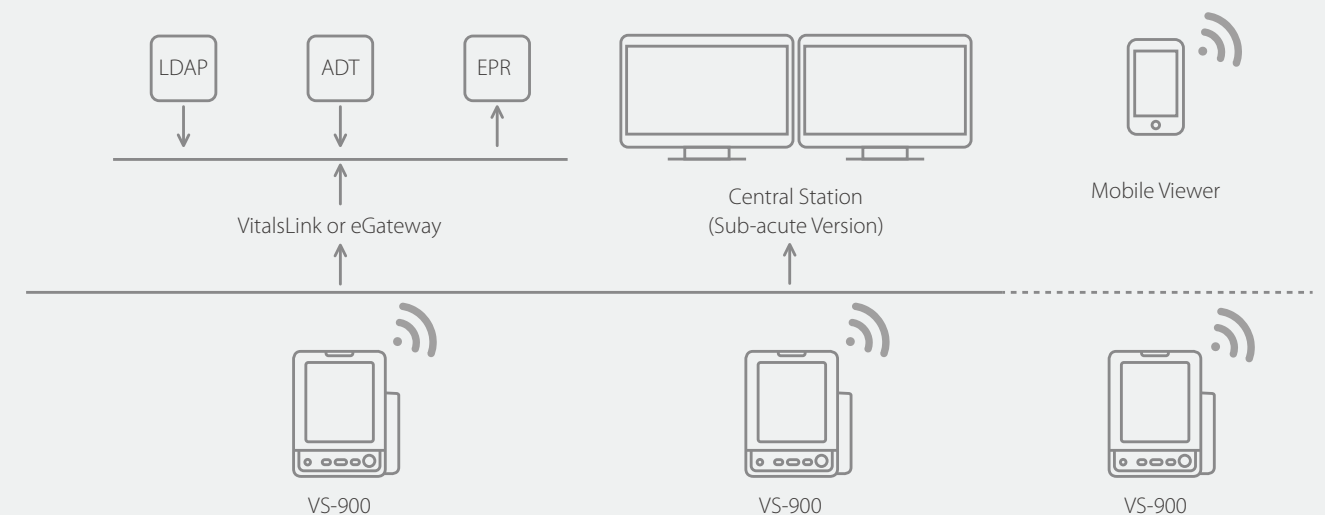
## Connect with Cerner's CareAware VitalsLink™

- Direct connection to Cerner CareAware VitalsLink™
- Provides positive patient identification on screen
- Provides verified data from the VS-900 to the EPR

## Connect to the Electronic Patient Records via Mindray eGateway

- VS-900 adapts to multiple popular EPR systems for data transmission via Mindray eGateway
- eGateway only needs simple connection setting

VS-900 devices can be easily connected to the CMS and Mobile Viewer, giving clinicians access to their patient data anytime and anywhere in the hospital.



## Data security

- Meets the requirements of GDPR (General Data Protection Regulation). Patient privacy is always protected.
- Automatically deletes patient data after sending to the EPR or discharging a patient.



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