Taking vital signs to the next level

Philips SureSigns VS4

Expand vital signs monitoring with the Philips SureSigns VS4. Respond to changing patient conditions by having the versatility to choose between frequent vitals mode and spot check mode within the same device. Simplify clinician workflow with an intuitive touch-screen interface and tools like QuickCapture and QuickCheck. QuickAlerts – SureSigns single parameter Early Warning Scoring (EWS) feature – supports caregivers in activating your hospital's Rapid Response Team (RRT). The VS4 is simple to use and works easily with your existing network.[1] It provides you with peace of mind and flexibility – all in a package that's as easy to love as it is to use.

Key features

Touch screen – color LED backlit screen

Internal WiFi – 802.11 a/b/g option

Temperature Choices:
Predictive, tympanic, or temporal

QuickCheck:
- Caregiver authentication at the bedside
- Patient record validation at the bedside
- Patient record review before export to EHR

QuickCapture:
Customize up to 20 observations and assessments entries

QuickAlerts:
Supports Hospital Rapid Response Team

Ease-of-use enhancements for your IT, network informatics teams, and your caregivers

2D barcode scanner accessory:
Programmable to support consistent and accurate patient ID entry

Time-sync with hospital or network clock

Battery management, including a clearly visible icon to show unit is plugged in and charging

Confirmation of exported records easily seen in green

One-touch NBP on/off button

Stores up to **800 patient records**

Uses same supplies as all Philips monitors

Choice of Philips FAST-based or Masimo SET® SpO$_2$

Microstream® etCO$_2$ option with Integrated Pulmonary Index (IPI)

QuickNBP:
For fast NBP measurements

Exergen TemporalScanner™ Thermometer:
- Accurate temperature with a gentle forehead scan
- Cost savings of 90% over other thermometry methods

PHILIPS

Make the most of patient monitoring

Philips SpO$_2$ technology includes a FAST-based SpO$_2$ algorithm and is compatible with a wide variety of adult, pediatric, and neonatal sensors.

AC power input with power cord clip

Sturdy handle and rugged housing for easy portability

Lithium ion battery

USB port for easy software upgrades and data export

Nurse call output

LAN/Serial data export in HL7 format

Premium rollstand includes an easy-to-clean molded basket that can swivel for easy positioning in tight spaces, and dedicated sections for accessories such as a barcode scanner, cleaning wipes, NBP cuffs, extra disposable temperature covers, and the SpO$_2$ sensor.

Product Specifications	
Width, Height, Depth	W: 26cm (10.2in), H: 22cm (8.6in), D: 14.5cm (5.7in)
Weight	3.6kg (8lb) – excluding optional recorder
Screen	21.3cm (8.4in) SVGA TFT-AM LCD display, 800 active pixels/line. Resolution: 600 active lines per frame. Viewing angle ±60 degrees
NBP	• Oscillometric using stepwise deflation pressure – NBP interval choices • Adult measurement range: – Systolic: 30 – 270mmHg (4.0 – 36.0kPa) – Diastolic: 10 – 245mmHg (1.3 – 32.7kPa) – MAP: 20 – 225mmHg (2.7 – 34.0kPa) • Pediatric measurement range: – Systolic: 30 – 180mmHg (4.0 – 24.0kPa) – Diastolic: 10 – 150mmHg (1.3 – 20.0kPa) – MAP: 20 – 160mmHg (2.7 – 21.3kPa) • Neonatal measurement range: – Systolic: 30 – 130mmHg (4.0 – 17.0kPa) – Diastolic: 10–100mmHg (1.3–13.3kPa) – MAP: 20 – 120mmHg (2.7 – 16.0kPa) • The NBP measurement has an accuracy over the ranges listed for the values: – Maximum standard deviation: 8mmHg – Maximum mean error: ±5mmHg • Subsequent Cuff Inflation (in NBP interval mode only): – The subsequent inflation pressure is determined automatically depending on the previous measurement and patient type
CO$_2$	• Measurement range: 0mmHg – 150mmHg • Total response time for adults: 3.9 seconds • Accuracy: 0mmHg – 38mmHg: ±2mmHg • 39 mmHg – 150mmHg: ±(5% of reading + 0.08% for every 1mmHg above 38mmHg) • Repiration rate range: 1 – 150bpm • Repiration accuracy: ±1rpm in the range of 0 – 70rpm, ±2rpm in the range of 71 – 120rpm, ±3rpm in the range of 121 – 150rpm.

Also Available	To Order
SureSigns premium rollstand	989803176601
SureSigns standard rollstand	989803144001
Wall mount	989803144011
2D barcode scanner	989803147821
2D barcode scanner holder	989803191611
HS-1 2D barcode scanner	989803176611
HS-1 barcode scanner roll-stand insert	989803184701
Serial interface adapter	989803159601
Wireless upgrade kit	989803181201
Tympanic temperature upgrade kit	863293
Predictive temperature upgrade kit	863294

Product Specifications (continued)

SpO$_2$ Philips FAST-based	• Meets EN ISO 9919 standard • Measurement range: 0 – 100% • Pulse rate measurement range: 30bpm – 300bpm • Pulse accuracy: greater of 2% and 1bpm
SpO$_2$ Masimo SET®/Rainbow®	• SpO$_2$ measurement range: 0 – 100% • SpO$_2$ accuracy: depends upon patient type and motion/no motion • SpHb measurement range: no motion: 0 – 25.0g/dL • SpHb accuracy: ±1g/dL over range of 8 – 17g/dL • RRa measurement range: 0 breaths per minute to 70 breaths per minute • RRa accuracy: 4 breaths per minute to 70 breaths per minute, ±1 breath per minute (>30kg) • SpHb and RRa are only supported on adult and pediatric patients
Temperature Welch Allyn™ Predictive	• Modes: predictive and monitored • Probe sites: oral, rectal or axillary • Range: 26.7 – 43.3°C (80 – 110°F) • Accuracy: ±0.1°C (±0.2°F) in monitoring mode
Temperature Covidien Tympanic	• Equivalency modes: ear (no adjustment), oral, core, and rectal (adjusted from ear)
Monitor mode	• Range: 33 – 42.0°C (91.4 – 107.6°F) • Accuracy (overall range) : ±0.2°C (±0.4°F) • Measurement response time: ≤2 seconds
Temperature Exergen Temporal	• Temperature Exergen Temporal • Temperature range: 16 – 43°C (60.8 – 109.4°F) • Accuracy: 0.1C or 0.2F • Response time: approximately 1 second
Battery	• Lithium ion: 10.8 – 11.1V (with a "202" form factor) • Operating time: four hours with NBP every 15 minutes
Data Output	• HL7 format, via Ethernet port • Serial data
Patient Type	• Adult, pediatric, neonatal

Ordering Information

863283	NBP, FAST-based SpO$_2$
A01	SpO$_2$ and NBP accessories included
A02	No accessories
Temperature:	
T01	Welch Allyn Predictive Temperature
T02	Covidien Tympanic Temperature
T03	Exergen Temporal Temperature
C05	Exergen Temporal Cap Holder
Masimo:	
M01	Masimo SET SpO$_2$
M02	Masimo Rainbow SpO$_2$, SpHb
M03	Masimo Rainbow SpO$_2$, RRa
C01	Masimo SpO$_2$ LNCS cable
C02	Masimo SpO$_2$, SpHb cable
C03	Masimo SpO$_2$, SpHb, RRa cable
C04	Masimo SpO$_2$, SpHb/LNCS, RRa cable
N01	Adult NBP cuff
Capnography:	
E01	Microstream CO$_2$
Other:	
F01	FIPS (US only)
R01	Recorder
W01	802.11 a/b/g Wireless

CISCO™ Compatible

WiFi CERTIFIED

[1] SureSigns VS4 has tested compatible with Cisco Compatible Extensions, Version 4. Go to www.cisco.com/go/compatibledisclaimer for complete disclaimer.

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Please visit www.philips.com/suresigns for more information.