

Capsule™ Vitals Plus

PRODUCT BRIEF



Enhanced accuracy and workflow

- Single-screen vitals and documentation
- Reduces charting from hours to minutes
- Eliminates transcription errors
- Flexible use models for spot check, interval and continuous monitoring

Improves care team communication

- View patient history on any monitor
- Share enhanced insights across departments
- Speeds data to clinical systems so all can work with timely information

Intelligence at the point of care

- Consolidates, standardizes and integrates vitals history with other data
- Displays patient score and recommendations in near-real time
- Integrates with Capsule™ Medical Device Information System (MDIS) for greater clinical context

Delivers value across the enterprise

- Robust and modular design for reliability and serviceability
- Remotely manageable with Capsule™ IQ
- Upgradeable from Capsule™ Chart Xpress

Intelligent Care, a New Level of Efficiency and Safety in Non-Critical Care

As the non-critical care environment trends toward addressing higher acuity patients, care teams are dealing with more complex workloads and fluctuating acuity. In an era of outcomes-based care, health systems are advancing their care models and moving away from spot check monitoring toward a new standard of intelligent care.

Capsule™ Vitals Plus enables intelligent care, leveraging industry-leading connectivity to collect, analyze and integrate vital signs data, clinical observations and other contextual data to reveal actionable trends at the bedside. It provides intelligence at the point of care and creates workflow efficiencies for bedside providers.

Capsule Vitals Plus automates the capture of non-invasive blood pressure (NIBP), oxygen saturation (SpO2), pulse rate and temperature along with eight configurable modifiers and seven custom vital signs, all on a single screen at the bedside. It registers subtle changes in health status and provides a bedside Early Warning Score,* guiding the care team through appropriate actions. Our all-in-one solution for monitoring and clinical documentation improves the timeliness and accuracy of bedside information.

* Early Warning Score is provided by the built in hospital-configured calculator called Capsule™ Early Warning Scoring System (EWSS)



Capsule is a product of Qualcomm Life, Inc.

Capsule Vitals Plus Workflow

The Capsule Vitals Plus clinician-friendly workflow provides a simple and reliable way to submit a complete set of validated vitals right from the point of care. Distinguishing usability features include rapid authentication, patient-centric vitals history across monitors, simple batch validation of interval vitals data sets and switching of clinical users without interrupting a monitoring session.

4 Simple Steps to Validate Vitals

Authenticate (once per set of rounds)



Review patient-centric vitals history (optional anywhere in workflow)

Date Saved	Sent	User ID	Patient	Location	SYS/DIA (MAP)	PULSE	SpO2	RESP	TEMP	WEIGHT	MLWS
01/12/2017 23:05	✓	demo	PETERS, Jeff	Room 801	120/78 (92)	61	99	12*	98.6*	185*	0
01/12/2017 23:00	✗	demo	PETERS, Jeff	Room 801	124/89 (101)	60	99	20*	100.7*	185*	2
01/12/2017 22:55	✓	demo	PELEHS, Jeff	Room 801	115/83 (94)	58	99	20*	100.7*	---	1
01/12/2017 22:50	✓	demo	PETERS, Jeff	Room 801	137/90 (106)	58	100	18*	99.2*	---	1
01/12/2017 22:45	✓	demo	PELEHS, Jeff	Room 801	130/86 (101)	56	100	12*	97.4	---	0
01/12/2017 22:42	✓	demo	MICHAELS, Linda	Room 701	136/93 (107)	57	99	12*	97.5	---	0
01/12/2017 19:54	✓	demo	MICHAELS, Linda	Room 701	110/86 (94)	85	97	18*	101.6*	---	3

1 Associate patient down to a specific visit/encounter



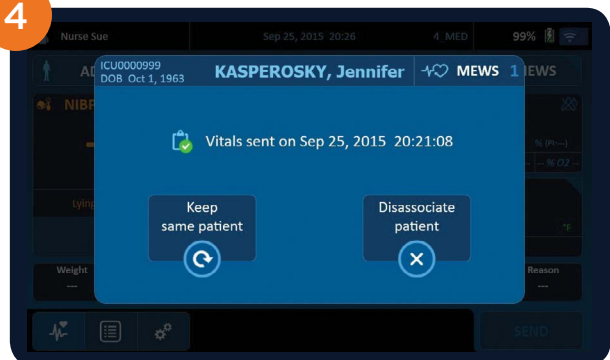
2 Measure vitals signs



3 Chart modifiers and custom vitals



4 Send



Sleek and Ergonomic Roll Stand

The Capsule Vitals Plus roll stand was designed by nurses to deliver features that optimize convenience, efficiency in operation and maintenance.

- Easy to maneuver
- Easy to clean
- Quiet
- Durable
- Hidden cable routing
- Accessible storage

Workspace tray with easy grip for pushing and pulling, convenient cable management and a solid working platform

Barcode scanner

Exergen Thermometer (Temporal scanner)

Storage compartment for wipes, gloves, extra cuffs etc.

Masimo SET® Pulse Oximeter and Sensor

NIBP hose and cuff

The Dual Battery Dock increases total battery autonomy to 9.5 hours, with the convenience of hot swappable batteries.

Capsule™ Neuron 2 mobile clinical computer

Alarm hub

FILAC™ 3000 thermometer

Capsule Vitals Plus NIBP module



SELECTED SPECIFICATIONS

NIBP

Systolic Range	Adult: 40 - 260 mmHg	Pediatric: 40 - 230 mmHg	Neonate: 40 - 130 mmHg
Diastolic Range	Adult: 20 - 200 mmHg	Pediatric: 20 - 160 mmHg	Neonate: 20 - 100 mmHg
MAP Range	Adult: 26 - 220 mmHg	Pediatric: 26 - 183 mmHg	Neonate: 26 - 110 mmHg
Clinical Accuracy	ISO 81060-2:2013 for Adult, Pediatric, Neonate		
Pulse Rate Range	30 to 220 bpm		
Pulse Rate Accuracy	±2% or ± 3 bpm		
Cuff Types	SunTech Medical Reusable, Vinyl, Disposable		

SpO2

Masimo SET® (Signal Extraction Technology)**	
SpO2 Range	1 - 100%
SpO2 Accuracy	± 2 digits for 70 - 100% Adult, Pediatric (No Motion) ± 3 digits for 70 - 100% Adult, Pediatric (Motion) ± 3 digits for 70 - 100% Neonate (No Motion, Motion)
Pulse Rate Range	25 - 240 bpm
Pulse Rate Accuracy	± 3 digits Adult, Pediatric, Neonate (No Motion) ± 5 digits Adult, Pediatric, Neonate (Motion)
Perfusion Index	0.02 - 20%
Low Perfusion Performance	±2 digits for SpO2, ± 3 digits for Pulse Rate (> 0.02% Pulse Amplitude and % Transmission > 5%)
Sensor Types	Masimo LNCS Reusable and Adhesive Single-Use

Temperature

FILAC™ 3000 Thermometer†		Exergen TAT-5000S Temporal Scanner	
Temperature Range	35 to 43 °C (95 to 109 °F) Predictive Mode	Temperature Range	15.5 to 43 °C (60 to 110 °F)
Clinical Accuracy	± 0.2 °C (± 0.4 °F) difference between Predictive and Direct Modes on 98% of tested patients, meeting EN 12470-3	Clinical Accuracy	±0.2 °F or 0.1°C per ASTM E1112
Response Time	6-10 seconds (oral), 8-12 seconds (axillary), 10-14 seconds (rectal) Predictive Mode	Response Time	~0.04 seconds

Scale Connectivity

Models	Scale-Tronix 4802, 5XX2, 6XX2, 51X5, 51X7, 6154
Method	Automatic detection and capture via RS-232

Technical Characteristics

Operating Conditions	10 to 40°C (16 to 40°C with Exergen), 15 to 95% Humidity
Storage Conditions	-20 to 50°C, 15 to 90% Humidity
Ingress Protection	IP31, except IPX0 with Exergen
Battery Autonomy	Up to 9.5 hours with measurements every 10 minutes using hot swappable Dual Battery Dock
External Power Supply	100-240V AC, 2.0-1.0A, 50-60 Hz
Dimensions	Height: 1470 mm (57.9") x Width: 550 mm (21.7") x Depth: 550 mm (21.7")
Weight	18 kg (39.7 lb) with Dual Battery Dock and roll stand
Network Connectivity	10/100/1000 base-T LAN WLAN IEEE 802.11 a/b/g/n
Data Storage Capacity	Saved/cached data sets persist for 72 hours



** Masimo SET is clinically proven in over 100 studies as the superior pulse oximetry technology for its ability to accurately measure during motion and low perfusion. SpO2 and Pulse Rate Accuracy figures reflect use with LNCS finger sensors.

† Functionality based on proprietary technology of Covidien Sales LLC.

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Capsule Vitals Plus is an intelligent care solution that operates on top of the **Capsule Medical Device Information System**—a platform of products designed to increase efficiency and improve patient care delivery through the systematic, timely capture of patient vital signs at the point of care, and the delivery of captured data to hospital electronic medical records, other information systems and third-party mobile solutions.