getemed

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VitaGuard®

Vital signs monitors

Cardiac function diagnostics

Vital signs monitoring

Telemonitoring

VitaGuard®

A Good Feeling for your Patients

GETEMED's VitaGuard® monitors are designed to monitor oxygen saturation, respiration, heart rate or pulse rate of patients of all ages in both clinical and ambulatory environments. The monitors have found wide acceptance in monitoring infants, including pre-term neonates and small children, where supervision and care is especially important.

Monitoring Situations
The monitors are indicated for use in situations where continuous, non-invasive monitoring of respiratory activity (to detect cental apnea), heart rate and oxygen saturation is required.

* obstructive apnea cannot be detected

Operation
Depending on the actual monitor model, they generate an acoustic and visual alarm when no respiration or movement is detected for a preset time, i.e. central apnea*, or when the measured oxygen saturation or heart/pulse rate violates the limits set by the operator. For SpO_2, the Masimo Signal Extraction Technology (SET®) is used. A technical alarm is emitted and a corresponding message displayed should an electrode or the SpO_2 sensor become loose.

The VitaGuard® Series

■ Monitored parameters

	VG 310	VG 2100	VG 3100
Central apneas		■	■
Heart rate		■	■
Pulse rate	■		■
Oxygen saturation (SpO_2)	■		■

MASIMO SET®

user-friendly
informative

Physician

■ Patient demographics
■ Monitor settings

VitaGuard®

■ SpO$_2$, pulse rate
■ Heart rate, ECG
■ Respiration

Patient

USB

Patient cable

VitaWin®

Caregiver

■ Warnings and messages

■ Acoustic and visual alarms

■ Backup

■ Data management
■ Evaluation
■ Report
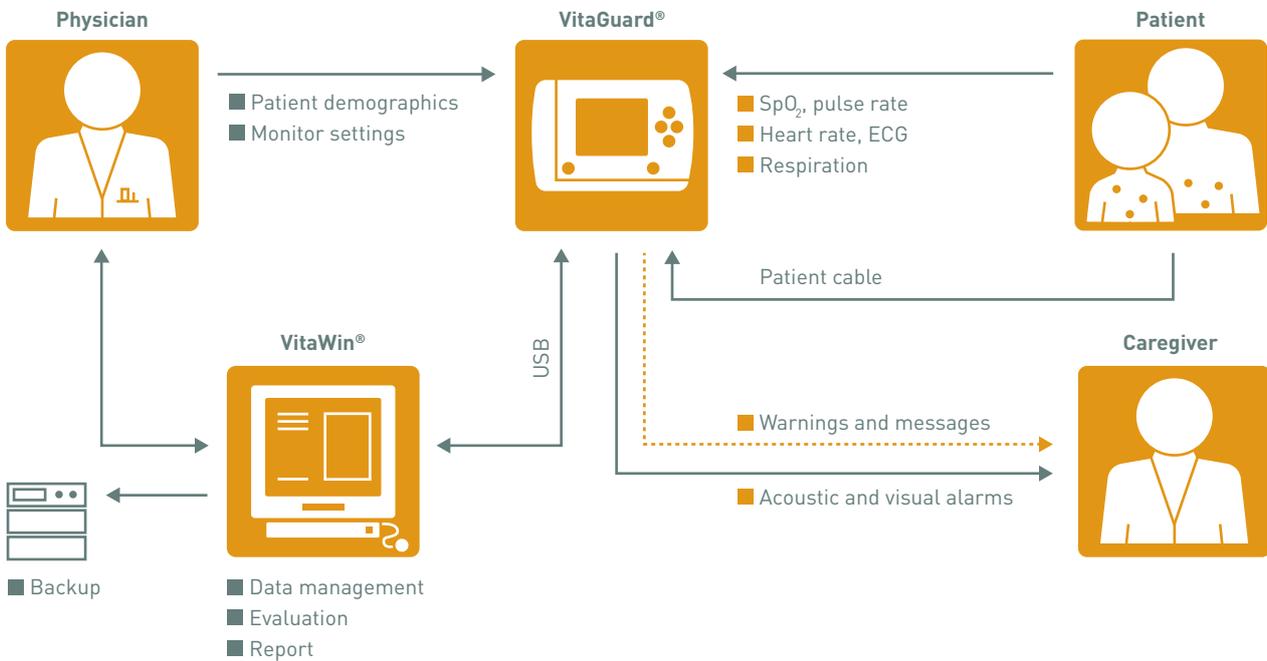
Extensive Data Storage

In the event of a physiological alarm, the measured values, their associated waveforms, and the monitor settings for selectable periods prior to and after the event are automatically stored. Over 400 such events can be captured in the event driven memory. Both manual and interval driven data storage is also possible. Furthermore, additional limits may be set to capture events silently, for example, if the silent SpO$_2$ lower limit is set to 92 %, then once the SpO$_2$ value falls below this limit, the event will be silently registered by the monitor. Parallel to the event driven memory, the monitors incorporate a 144-hour trend loop memory and a 16-hour full-disclosure loop memory for continuous data storage.

Innovative Technology – Easy to Use

Considering all their features, the versatile monitors weight only approx. 700 grams. The clearly arranged layout of the control elements ensures ease of operation, not only for trained clinical personnel but also for caregivers without previous medical or technical training. The numerous ways of powering the monitors, be it via the mains supply, the rechargeable power pack, or single-use batteries, allow for a wide range of applications.

Comprehensive Data Evaluation

The stored values and waveforms can be viewed directly on the monitor's high-resolution graphical LCD display. Alternatively, using GETEMED's VitaWin® software, the event, trend, full-disclosure and compliance recordings can be transferred to a PC via the USB port, visualized, evaluated and documented.

Highlights

High resolution display with backlight
Waveform display: ECG, respiration, plethysmograph
Extensive alarm management settings
Acoustic and visual alarms
Event, trend, full-disclosure and compliance memories
Recording of silent events
USB interface for downloading recordings
Versatile power supply possibilities (batteries, mains)

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