VitaGuard® VG 5 MP

The Heart Rate, Apnea and Oxygen Saturation Monitor

Lightweight and compact

4.3" colour TFT display with resistive touch panel

Masimo SET® Technology

Defibrillator safe

Alarm notification

Extensive data logging features

Fast data transfer

Direct download to USB memory stick

The VitaGuard VG 5 MP is the most versatile of the VitaGuard monitors. It monitors the patient's heart rate or pulse rate, respiration activity, and oxygen saturation (SpO_2), thus providing medical personnel and caregivers the information they need about the patient's current vital signs, both in ambulatory and clinical environments.

Operation

The VitaGuard VG 5 MP generates auditory and visual alarms when no respiration or movement is detected for a preset time, i.e. central apnea, or when the measured oxygen saturation or heart 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.

Comprehensive Data Evaluation

The logged values and waveforms can be viewed directly on the monitor's colour display for quick reference. Alternatively, using GETEMED's VitaWin® 3.4 software, the event, trend, full-disclosure and compliance data can be transferred to a PC via the USB port, visualized, evaluated and documented.

Innovative Technology – Easy to Use

Considering all its features, the versatile monitor weighs only 515 g. The clearly arranged layout of the control elements aids ease of operation, not only for trained clinical personnel but also for caregivers without previous medical or technical backgrounds. The rechargeable power pack incorporated into the device allows at least 8 h of continuous monitoring in the event of a mains supply power outage.

Extensive Data Logging Features

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 logged. Over 1000 such events can be captured in the event driven memory. Both manual and interval driven data logging are also available. 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 logged by the monitor. Parallel to the event driven memory, the VG 5 MP incorporates a 168-hour trend loop memory and a 48-hour full-disclosure loop memory for continuous data logging.

getemed

VitaGuard® VG 5 MP

Technical Data

General

Weight	515 g
Dimensions	178 x 118.6 x 40 mm
Power adapter NA 5-1	Input: 100-240 VAC, 50-60 Hz, 400 mA, Output: 5 VDC, 3000 mA
Internal battery	Li-ion rechargeable battery, 3.6 V, 4400 mAh, 16 Wh
Battery operating time	>8 hours
Recharging time	<6 hours
Display	4.3" TFT colour display with resistive touch panel
Keys	2 pushbutton keys
Light indicators	5 LED
ECG connector	8 pin round receptacle
SpO_2 connector	14 pin mini D ribbon receptacle
USB port	USB-C receptacle
Alarm warnings	Visual and auditory

Apnea Monitor

Method	Impedance pneumography
Respiration rate range	4 - 90 /min
Respiration rate resolution	1/min
Apnea pause settings	5 – 20 s in steps of 1 s
End of alarm condition	2 breaths within 6 s
Minimum amplitude	>0.2 Ohm
Signal recognition	Green LED and selectable beep tone

Heart Rate Monitor

Heart rate range	30 – 270 /min
Heart rate resolution	1/min
Heart rate accuracy	±3 digits without motion
Bradycardia limit	30 - 180 /min in steps of 5
Tachycardia limit	100 - 250 /min in steps of 5
Minimum amplitude	>0.3 mV
Lead selection	Einthoven I, II, III
Signal recognition	Green LED and selectable beep tone

Pulse Rate Monitor

Method	Pulse oximetry
Pulse rate range	25 ... 240 /min
Pulse rate resolution	1/min
Pulse rate accuracy	±3 digits without motion ±5 digits during motion
Alarm settings	See heart rate monitor

SpO_2 Monitor

SpO_2 range	1 - 100 %
SpO_2 resolution	1 %
SpO_2 accuracy	±3 digits for SpO_2 >70 %
SpO_2 lower alarm limit	70 - 98 % in steps of 1 %
SpO_2 upper alarm limit	70 - 100 % in steps of 1 %
SpO_2 sensitivity	Minimum (APOD = Adaptive Probe Off Detection), standard, maximum

Data Logging

Log types	Event, trend, full-disclosure and compliance data
Log capacity	1,000 alarm events, 168 h trend, 48 h full-disclosure, 15,000 compliance entries
Logged data	ECG waveform, heart rate, respiration waveform, respiration rate, basal impedance, SpO_2, pulse rate, signal IQ, plethysmogram waveform, perfusion index, pleth variability index (otional), status information

Classifications

Medical device class	IIb per MDR (EU) 2017/745
Ingress protection	IP22
German reimbursement code	21.30.01.0009

Environmental Conditions

Operating conditions	Temperature: 5 - 40 °C Humidity: 15 - 90 %, non-condensing
Storage and transport conditions	Temperature: –25 - 70 °C Humidity: 0 - 90 %, non-condensing
Ambient pressure	70 - 106 kPa

Kit Contents and Accessories

Standard accessories	VitaGuard® VG 5 MP monitor, ECG cable, ECG electrodes, SpO_2 cable, SpO_2 adhesive sensor, NA 5-1 power adapter, pouch with straps, instructions for use, quick start guide, transport case
Optional accessories	Wide range of SpO_2 sensors (disposable and reusable), VitaWin® 3.4 evaluation software, nurse call unit cable

Note: Technical data subject to change.

Your feedback is important to us!
Please take a few minutes to let us know about your experience with the VitaGuard monitor. Your feedback helps us to constantly improve the product.
The survey is anonymous, but at the end of the survey you will have the opportunity to provide us with your contact details if you wish to do so.

Feedback