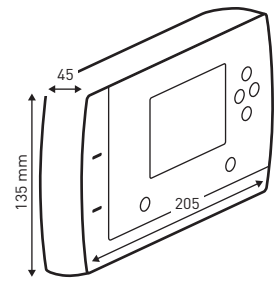
getemed



Features

- Monitored parameters: Oxygen saturation, pulse rate
- Operating time with batteries: 8 h minimum
- Displays: Graphical LCD display, 4 LEDs
- Memory modes: Event, trend, full-disclosure and compliance
- Alarm notification: Acoustic and visual
- Data transfer: USB port

VitaGuard® VG 310

The Pulse Oximeter

The VitaGuard® VG 310 monitors oxygen saturation (SpO_2) and pulse rate of patients of all ages, thus giving medical personnel and caregivers the security they need, both in ambulatory and clinical environments.

Operation

The VitaGuard® VG 310 incorporates the Masimo SET® technology (Signal Extraction Technology) and generates acoustic and visual alarms when the measured pulse rate or oxygen saturation values violate the limits set by the operator. A technical alarm is emitted and a corresponding message displayed should the sensor become loose.

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 VG 310 incorporates 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 its features, the versatile monitor weighs 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 monitor, 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.

MASIMO SET®

VitaGuard® VG 310

Technical Data

General	
Weight	Approx. 700 g with power pack
Dimensions	205 mm x135 mm x 45 mm
Power supply	4.8 V NiMH power pack or 4 x 1.5 V alkaline LR6 batteries, 9 V power adapter NA 3000-2
Power adapter NA 3000-2	Input: 100 ... 240 V, 50 ... 60 Hz, Output: 9 VDC
Power pack recharge time	<6 h
Operating time	8 h with power pack or batteries
Replace battery message	Message on LCD display
Battery exhaustion message	Visual and acoustic warning
Keys	6 pushbuttons
SpO_2 connector	14-pin mini-ribbon connector, type BF input
USB connector	Mini USB to connect with a PC
Display elements	4 LEDs and a graphical LCD display (320 x 240 dots) with back-light when powered by external power adapter
Alarm warnings	Visual and acoustic
Pulse Rate Monitor	
Method	Pulse oximetry
Pulse rate range	25 ... 240/min
Resolution	1/min
Accuracy	±3 digits without motion, ±5 digits during motion
Bradycardia alarm settings	30, 35 ... 175, 180/min
Tachycardia alarm settings	100, 105 ... 250, 255/min
Signal recognition	Green LED and selectable beep tone

SpO_2 Monitor	
SpO_2 range	1 ... 100 %
Resolution	1 %
Accuracy	±3 digits for SpO_2 above 70 %
Alarm settings	Selectable from 50 ... 100 %
Sensitivity	Minimum (APOD = Adaptive Probe Off Detection), standard, maximum
Memory	
Storage functions	Event, trend, full-disclosure and compliance memories
Storage capacity	400 events 144 h trend, 16 h full-disclosure
Stored data	SpO_2, pulse rate, signal IQ, plethysmograph, perfusion index, status
Classifications	
Product classification	IIb according to MDD 93/42/EEC
Ingress protection	IP 21
German "Hilfsmittelnummer"	21.30.02.1002
Environmental Conditions	
Operating temperature	5 ... 40 °C
Relative humidity	5 ... 95 %, non-condensing
Storage and transport temperature range	–40 ... 70°C

Standard Delivery

VitaGuard® VG 310, SpO_2 patient cable, SpO_2 disposable sensor, power adapter NA 3000-2, NiMH power pack, user manual, pouch including belt, transport case

Optional Parts

Wide range of SpO_2 sensors (disposable and reusable), VitaWin® analysis software

Subject to change

Distributor

Manufactured by

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