pulse oximetry

VM-2160

Hand Held Pulse Oximeter



The ergonomic VM-2160 hand held pulse oximeter has the durability of a compact and lightweight hand held unit for spot checking of SpO₂, but also has the power and functionality of a stand alone pulse oximeter.

The VM-2160 incorporates adjustable high and low alarms for both the SpO_2 and pulse rate with audible pulse tones, and is able to store and restore up to 480 hours of patient trend data, enabling the unit to also be used at the bedside for continual patient monitoring.

Utilising the latest display technology, the clear and bright colour screen offers superb visibility in all lighting conditions, including direct sunlight.

The VM-2160 can be used in a variety of applications, from use in hospitals, paramedic ambulances, clinics and dental surgeries - making this an extremely flexible and durable piece of equipment.



The VM-2160 offers a efficient and cost effective solution for spot monitoring or constant monitoring of SpO₂ and Pulse rate

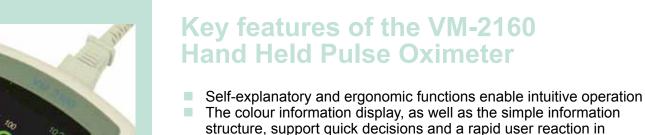
For spot checking or constant monitoring of SpO₂ and Pulse Rate

Includes a 3rd generation soft silicone sensor - *other sensors can be specified

Stores and restores up to 480 hours of trend data
Adjustable high and low alarms

VM-2160 Standard Package

- VM-2160
- Reusable adult silicone finger sensor*
- Silicone protective cover
- PC review software
- USB data cable
- 3 x AA batteries
- * Please select from Soft Sensor (Adult or Paediatric), Finger Sensor, Silicone Wrap Sensor, Ear Sensor and indicate at the time of ordering. Autoclavable sensors are available.



- critical situations
 Intelligent linking of visual and acoustic information and signals
- The pulse tone rate provides information about the level of oxygen saturation
- Automatic suppression of ambient light influences
- Signal quality indications
- Simple handling and clear error messages effectively prevent incorrect operation of the VM-2160
- 20 language options available for operational control
- The most modern technologies and energy-saving elements enable continued use of the device over several days
- Rapid data transfer using a standard USB interface
- Silicone protective cover included in the package
- Powered by standard AA alkaline batteries



VM-2160 Display

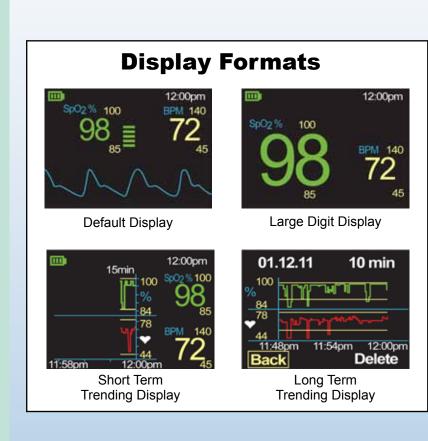


VM-2160 in Protective Cover





Silicone Soft Sensor for VM-2160. Other types available on request





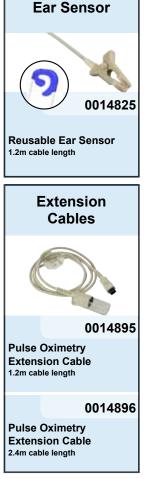
Sensors and Cables





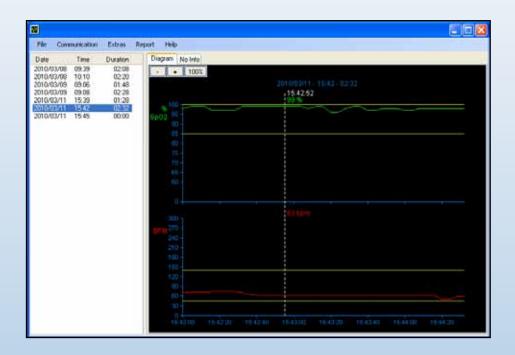








Powerful Pulse Oximetry PC Software



With the convenient Pulse Oximetry PC Software all measured values, selected alarm limits and alarm messages can be transferred to the computer via the USB interface.

The data can be viewed on the computer and patient information added. The PC software enables basic statistical evaluation of the stored data.

Mounting Options and Accessories

For use with VM-2160

Universal

Mounting Plate

0022171







Fluid repellent Non rot

Self healing and waterproof zips micrAgard silver-lining inners Abrasion and tear resistance

High visibility and reflective properties

UV stable Washable at 60°C



Carrying

Case



0022178



Silicone

Protective Cover

0022160







Clamp



Applications

The VM-2160 with Silicone Finger Sensor is suitable for the following applications:

- Clinical Environments
- Rescue and emergency services
- Sleep studies
- Home care
- Long-term monitoring
- Stress testing

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 $$\rm SpO_2^{}$$ Use Rate $$\rm 0$ - 300 bpm

Accuracy

SpO₂ (70 - 100%)
Pulse Rate ± 1 digit (≤100 bpm) ± 1% (>100 bpm)

Optical Specifications

Red emitter 660nm, typ 3.5mW Infra-red emitter 905nm, typ 3.5mW

Display

Features

Colour, 65,000 colours, 128 x 160 pixels

Date displayed

Oxygen saturation, pulse rate, plethysmogram, bar graph, short and long term trends
Indicators

Signal quality, pulse amplitude, battery status, alarm silenced, sensor detection, sensor disconnection

Trend Information

Short term trend
Long term trend
> 480 hours

Environmental Conditions

Operating temperature -20 - 50°C , 15 - 95% RH, 600 - 1300 hPa Storage temperature -30 - 70°C, 10 - 95% RH, 600 - 1500 hPa

Regulatory Approvals

Standards CE Class Ilb in accordance with MDD 93/42/EEC
BS EN 60601-1:2006, BS EN 60601-1-1:2001
BS EN 60601-1-2:2007, BS EN ISO 9919:2005

Safety Class II, Type BF

Assembly Construction

Dimensions

118 mm (L) x 60 mm (W) x 25 mm (H)

Weight

Approximately 160g (including batteries, without sensor)

Power Supply

Battery Life

PC interface

P32

Approximately 160g (including batteries, without sensor)

3 x AA alkaline batteries.

> 2 days continuous operation or approximately 5 days in economy power mode

USB 2.0

VM-2160*

Sensors and Cables

EAN-13 (GTIN-13) Barcode: 5051826000007 NATO Stock Number: 6515-99-915-8170

Language package: Central European, includes: English, Afrikaans, Dutch, French, German, Hungarian, Italian, Polish, Portuguese and Spanish.

VM-2160 - Scandinavian languages (English, Danish, Finnish, Swedish)

VM-2160 - Special EU characters languages (English, Greek, Russian, Turkish)

VM-2160 - Asia I languages (English, Chinese and Traditional Chinese)

VM-2160 - Asia II languages (English, Japanese and Korean)

0012164

Additional Accessories Available Sensor Wraps - for use with 0014835 and 0014592 Silicone Wrap Sensors 0014890 Posey Sensor Wraps - 6554 0021013 Posey Sensor Wraps - Paediatric - 6554P 0021018 Silicone Protective Cover 0022160 Carrying Case 0022178 Universal Mounting Plate, V-adapter with female pole-mount thread (1/4 - 20) 0022171 'V' mount wall plate 0121180 'V' mount pole clamp (Small: 14 - 25mm clamping width) 0121181 'V' mount pole clamp (Large: 16 - 40mm clamping width) 0121182 0121184 'V' mount rail clamp 'V' mount pole clamp, horizontal 0121197

Reusable Adult Finger Sensor - 1.2m cable length 0014650 Reusable Silicone Wrap Sensor - 1.2 cable length 0014835 Reusable Adult Silicone Soft Sensor - 0.3m cable length 0014755 Reusable Adult Silicone Soft Sensor - 1.2m cable length 0014750 0014756 Reusable Paediatric Silicone Soft Sensor - 0.3m cable length Reusable Paediatric Silicone Soft Sensor - 1.2m cable length 0014751 Reusable Ear Sensor - 1.2m cable length 0014825 Pulse Oximetry Extension Cable, 1.2m cable length (XT6500) 0014895 Pulse Oximetry Extension Cable, 2.4m cable length (XT6501) 0014896 Disposable Transpore Tape - Box of 24 - Adult 0014989 Disposable Transpore Tape - Box of 24 - Paediatric 0014990 Disposable Plaster Tape - Box of 24 - Adult 0014993

0121200

0014994 0014995

0014996

Disposable Plaster Tape - Box of 24 - Paediatric

Disposable Plaster Tape - Box of 24 - Neonatal

Disposable Plaster Tape - Box of 24 - Infant

Universal Mounting Clamp, with vertical and horizontal adjustments

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Distributed by:



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