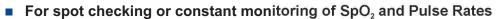
pulse oximetry

VM-2160 Hand Held Pulse Oximeter

Designed with the most difficult conditions in mind.

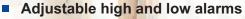


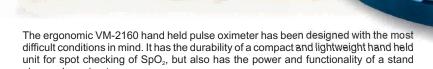
Clear and bright, colour OLED display

Robust, ergonomic design with durable silicone protective cover

Includes a 3rd generation soft silicone sensor

Stores and restores up to 480 hours of trend data





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 48 hours of patient trend data, enabling the unit to also be used at the bedside for continual patient monitoring.

Utilising the latest Organic LED 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.



VM-2160 Hand Held Pulse Oximeter

Measuring Range

SpO, 0 - 100% 20 - 300 bpm Pulse rate

Accuracy

 $A_{RMS} = <3.0 (70 - 100\%)$ +/- 1 digit (\le 100 bpm) +/- 1% (>100 bpm) SpO₂ (In accordance with ISO 9919:2005 Standards.) Pulse rate

Optical Specifications

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

Display

Colour OLED, 262,000 colours, 128 x 160 pixels Features

Oxygen saturation, pulse rate, plethysmogram, bar graph, short term and long term trends. Data displayed

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

Trend Information

15 min / 30 min / 240 min Short term trend Long term trend up to 480 hours

Environmental Conditions Operating temperature 0 - 50 °C, 15 - 95% RH, 600 - 1300 hPa Storage temperature -20 - 70 °C, 10 - 95% RH, 600 - 1500 hPa

Regulatory Approvals

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

Safety Class II, Type BF

Assembly

Construction Splash proof Dimensions 11.8cm (I) x 6cm (w) x 2.5cm (h) Weight approx. 160g (with batteries, without sensor) Power supply 3 x AA alkaline batteries Battery life > 2 days continuous operation or approx. 5 days in economy power mode PC interface

Part Numbers

0012160 VM-2160* Standard accessories included:

1 x Reusable Adult Silicone Finger Sensor

1 x PC Software

1 x USB Data Cable 1 x Silicone Protector Cover

3 x AA Batteries

*Language Package: Central European, including:

English, Afrikaans, Dutch, French, German, Hungarian, Italian, Polish, Portuguese and Spanish.

Accessories	
VM-2160 - Asia II languages (English, Japanese and Korean)	0012164
VM-2160 - Asia I languages (English, Chinese and Traditional Chinese)	0012163
VM-2160 - Special EU characters languages (English, Greek, Russian, Turkish)	0012162
VM-2160 - Scandinavian languages (English, Danish, Dutch, Finish, Swedish)	0012161

Reusable Adult Finger Sensor (SF6500)

0014650 Reusable Adult Finger Sensor (SF6500)

Reusable Adult Silicone Finger Sensor, 1.2m cable length (SC6500VM)

Reusable Paediatric Silicone Finger Sensor, 1.2m cable length (SCP6500VM)

Reusable Silicone Wrap Sensor, 1.2m cable length (W6500VM)

Pulse Oximetry Extension Cable, 1.2m cable length (XT6500) 0014750 0014751 0014835 0014895 Pulse Oximetry Extension Cable, 2.4m cable length (XT6501) 0014896 Silicone Protective Cover Carrying Bag, with shoulder strap 0022160 0022170 Armband, for use with VM-2160 0022169 Universal Mounting Kit, V-adapter with female pole-mount thread 0022171 Universal Mounting Clamp, with vertical and horizontal adjustments (CP2345) 0121200 'V' mount pole clamp, horizontal 0121197 'V' mount rail clamp 0121198 'V' mount pole clamp (CP2344) 0121201 'V' mount wall plate (B 647) 0121202 Battery 1.5V AA (single item) 9950050 NB. The Universal Mounting Kit is required when using any of the above mounting options.



VM-2160 OLED Display



VM-2160 in Protective Cover



Silicone Finger Sensor for use with VM-2160

Display Formats



Large Digit Display

21 12 07 10 min

Short Term Trending Display

5:221 Delete Long Term Trending Display

C€0086 Specifications subject to change

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BS EN ISO 9001-2000 ISO 13485-2003

Part number: 0092171 V2.4 Date: 03/09