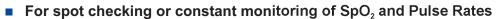
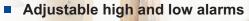
pulse oximetry

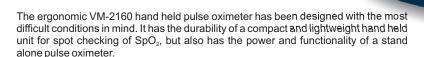
VM-2160 Hand Held Pulse Oximeter

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 (≤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

Indicators Signal quality, pulse amplitude, battery status, alarm silenced, 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.

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

eusable Adult Finger Sensor (SF6500)

Reusable Adult Finger Sensor (SF6500)	0014650
Reusable Adult Silicone Finger Sensor, 1.2m cable length (SC6500VM)	0014750
Reusable Paediatric Silicone Finger Sensor, 1.2m cable length (SCP6500VM)	0014751
Reusable Silicone Wrap Sensor, 1.2m cable length (W6500VM)	0014835
Pulse Oximetry Extension Cable, 1.2m cable length (XT6500)	0014895
Pulse Oximetry Extension Cable, 2.4m cable length (XT6501)	0014896
Silicone Protective Cover	0022160
Carrying Bag, with shoulder strap	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.	

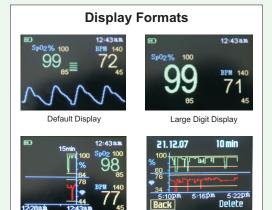
VM-2160 OLED Display



VM-2160 in Protective Cover



Silicone Finger Sensor for use with VM-2160



Long Term Trending Display

C€0086 Specifications subject to change

Distributed by:



Short Term

Trending Display

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BS EN ISO 9001-2000 ISO 13485-2003

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