VM-*2160*
Hand Held Pulse Oximeter
Designed with the most difficult conditions in mind.

- **For spot checking or constant monitoring of SpO$_2$**
- **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 48 hours of trend data**
- **Adjustable high and low alarms**

The ergonomic VM-2160 hand held pulse oximeter has been designed with the most difficult conditions in mind. It has the durability of a compact and lightweight hand held unit for spot checking of SpO$_2$, 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 48 hours of patient trend data, enabling the unit to also be used at the bedside for continual patient monitoring.
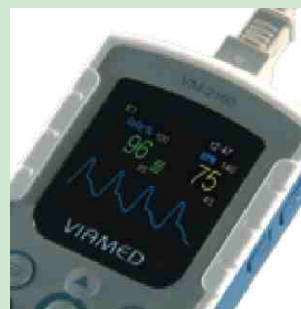
Utilising the latest Organic LED display technology, the clear and bright colour screen offers superb visibility in all lighting conditions, including direct sunlight.

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.

VIAMED

VM-*2160* Hand Held Pulse Oximeter

Measuring Range
SpO$_2$ — 45 - 100%
Pulse Rate — 20 - 300 bpm

Accuracy
SpO$_2$ — A$_{RMS}$ = 1.8 (70 - 100%)
Pulse Rate — +/- 1 digit (≤100 bpm) +/- 1% (>100 bpm)

Optical Specifications
Red — 660nm, typ 3.5mW
Infra-red — 905nm, typ 3.5mW

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

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

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

Trend Information
Short term trend — 15 min / 30 min / 4 hours
Long term trend — up to 48 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
Standards — EN 60601-1, EN 865, ISO 9919:2005
Safety — Class IIb

Assembly
Construction — Splash proof
Dimensions — 11.8cm (l) 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 — USB 2.0

Part Numbers
VM-2160* — 0012160
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, 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

Accesories
Reusable Adult Finger Sensor (SF6500) — 0014650
Reusable Adult Silicone Finger Sensor, 1.2m cable length (SC6500) — 0014750
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
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

VM-2160 OLED Display

VM-2160 in Protective Cover

Silicone Finger Sensor for use with VM-2160

Display Formats

Default Display

Large Digit Display

Short Term Trending Display

Long Term Trending Display

CE0086
Specifications subject to change

Distributed by:

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