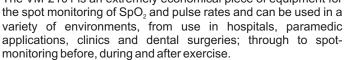
pulse oximetry

## VM-2101 Finger Oximeter

Fast and accurate measurement of SpO<sub>2</sub> and pulse rate, even in cases of low perfusion.

- Clear and bright, colour OLED display
- Display can be viewed in 4 rotations
- Large, clear Pleth waveform is displayed on 2 rotations
- Large digit display formats
- Colour coded signal quality and signal strength indicator
- Adjustable brightness
- 12 bit processing facilitates low perfusion capability
- Meets ISO 9919:2005 Standards; shock, vibration, drop and water ingress tests...







## VM-2101 Finger Oximeter

**Measuring Range** 

 $\mathrm{SpO_2}$  0 - 100% Pulse rate 20 - 300 bpm

**Accuracy** 

 $SpO_2$  (In accordance with ISO 9919:2005 Standards.)  $A_{RMS} = <3.0 (70 - 100\%)$  Pulse rate +/- 1 digit ( $\le 100 \text{ bpm}$ ) +/- 1% (> 100 bpm)

**Optical Specifications** 

Red emitter 660 nm, typ. 3.5 mW Infrared emitter 905 nm, typ. 3.5 mW

Display

Features Colour OLED, adjustable brightness (6 levels), 20 mm x 26 mm, 262,000 colours, 128 x 96 pixels

Data displayed Oxygen saturation, pulse rate, Plethysmogram, pulse indicator, bar graph

Indicators Pulse signal quality & signal strength, battery status
Digit height (max) 10 mm
Pleth waveform height (max) 10 mm

**Environmental Conditions** 

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

**Regulatory Approvals** 

Standards CE Class IIa 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 Water ingress protection IPX2
Dimensions 57 mm (I) x 33 mm (w) x 27 mm (h)
Weight approx. 50 g (including batteries)
Power supply 2 x 1.5 Volt, AAA batteries

**Part Numbers** 

VM-2101 0012101 EAN-13 (GTIN-13) barcode: 5051826002568

Standard accessories included:

 Lanyard
 0022175

 2 x AAA Batteries
 9950047

**Optional Accessories** 

Hard Carry Case, with belt loop, colour - black0022180Hard Carry Case, with belt loop, colour - orange0022181Soft Carry Case, with belt loop, colour - orange0022191Soft Carry Case, with belt loop, colour - green0022192

98 i 87

Rotation 1 (Pleth waveform)



Rotation 1 (large digits)



Rotation 2 (Pleth waveform)



Rotation 2 (large digits)



Rotation 3 (large digits)



Rotation 4 (large digits)

Specification subject to change.

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Viamed Limited • 15 Station Road • Cross Hills Keighley • West Yorkshire • BD20 7DT • United Kingdom Tel: +44 (0)1535 634542/636757 Fax: +44 (0)1535 635582 Email: info@viamed.co.uk www.viamed-online.com



BS EN ISO 9001:2000 ISO 13485:2003 ISO 13485:2003 CMDCAS Recognised