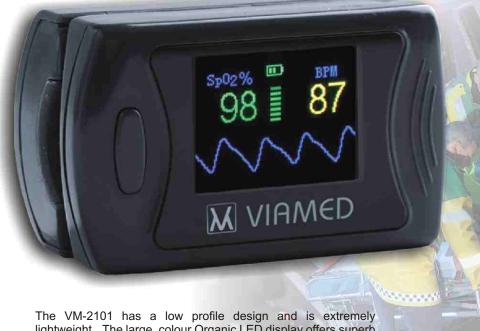
## pulse oximetry

## 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 and clear, usable Pleth waveform displayed on 2 rotations
- Large digit display formats
- Colour coded signal quality and signal strength indicator
- Adjustable brightness
- 16 bit processing facilitates low perfusion capability
- Meets ISO 9919:2005 Standards; shock, vibration, drop and water ingress tests...



The VM-2101 has a low profile design and is extremely lightweight. The large, colour Organic LED display offers superb visibility in all lighting conditions, including direct sunlight, and the brightness can be adjusted to suit individual applications.

This durable and compact unit utilises 16 bit processing technology enabling a fast 'true reading' response, and facilitates low perfusion capabilities.

The VM-2101 is an extremely economical piece of equipment for the spot monitoring of SpO<sub>2</sub> and pulse rates and can be used in a variety of environments, from use in hospitals, paramedic applications, clinics and dental surgeries; through to spotmonitoring before, during and after exercise.



## VM-2101 Finger Oximeter

**Measuring Range** 

SpO<sub>2</sub> 0 - 100% Pulse rate 20 - 300 bpm

**Accuracy** 

 $SpO_2(70 - 100\%)$  + /- 1 S.D = 2.0%  $A_{RMS}^* = <3.0\%$ 

Pulse rate +/- 1 bpm(≤100 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 10 mm

**Environmental Conditions** 

**Regulatory Approvals** 

Standards C6 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
Battery life Approx. 24 hours of continuous operation

**Part Numbers** 

VM-2101 0012101 EAN-13 (GTIN-13) barcode: 5051826002568 NATO Stock Number: 6515-99-148-5212

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 - black0022190Soft Carry Case, with belt loop, colour - orange0022191Soft Carry Case, with belt loop, colour - green0022192

 $^{\star}$  In accordance with ISO 9919:2005 Standards. CE 0086



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.

Distributed by

Part number: 0092166 V2.3



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

Date: 07/09