

VM-2101 Finger Oximeter

Fast and accurate measurement of SpO₂ 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 in 2 rotations.
- Large digit display formats.
- Colour coded signal quality and signal strength indicator.
- Adjustable brightness; 10 levels.
- 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 SpO₂ and pulse rates and can be used in a variety of environments, from use in hospitals, paramedic applications, clinics and dental surgeries; through to spot-monitoring before, during and after exercise.

**Ideal for
Paramedics
and
Hospitals**

VM-2101 Finger Pulse Oximeter

Measuring Range

SpO₂ 0 - 100%
Pulse Rate 20 - 300 bpm

Accuracy

SpO₂ (70 - 100%) ± 1 S.D = 1.861%
 $A_{RMS}^* = 2.0\%$
Pulse Rate ± 1 bpm (≤ 100 bpm) $\pm 1\%$ (> 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 x 26 mm, 262,000 colours, 128 x 96 pixels

Date displayed

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

Indicators

Digit height (max)

Pleth waveform height (max)

Pulse signal quality & signal strength, battery status
10 mm
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
Class II, Type BF

Safety

Assembly

Construction

Dimensions

Weight

Power Supply

Battery Life

Water ingress protection IPX2
57 mm (L) x 33 mm (W) x 27 mm (H)
Approx. 50 g (including batteries)
2 x 1.5V, AAA batteries
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

2 x AAA Batteries

0022175

9950047

Optional Accessories

Soft Carry Case, with belt loop, colour - black

Soft Carry Case, with belt loop, colour - orange

Soft Carry Case, with belt loop, colour - green

0022190

0022191

0022192

* In accordance with ISO 9919:2005 Standards.

CE 0086

Specification Subject to Change



Pleth Waveform 1



Rotation 1



Pleth Waveform 2



Rotation 2



Rotation 3



Rotation 4

Distributed by:



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