



VM-2105 Silicone Finger Oximeter

Incorporating the latest technology; a clear and bright colour OLED display encapsulated in a unique durable, soft silicone housing.

- Display can be viewed in 4 rotations.
- Large and clear, usable Pleth waveform.
- Colour coded signal quality and signal strength indicator.
- Adjustable brightness: 6 levels.
- Designed and type tested to ISO 9919:2005.
- Clinical validation in accordance with ISO 9919:2005.
- Accuracy $A_{RMS} = 1.519\%$, ± 1 S.D. = 1.513%

**Premium
oximeter
ideal for
Emergency
Services
applications**



Actual Size

The hygienic and easy to clean, soft silicone housing, of the VM-2105, offers superior comfort and fit, allowing for a more accurate and reliable reading, and with no hinge assembly to break this unit is extremely robust and able to withstand even the toughest of environments.

The VM-2105 is an extremely economical piece of equipment for the spot monitoring of SpO₂ and pulse rates. It can be used in a variety of applications, from use in hospitals, emergency services, clinics and dental surgeries.

Utilising 16 bit processing technology the VM-2105 gives a fast 'true reading' response, even in cases of low perfusion.

VM-2105 Silicone Finger Pulse Oximeter

Measuring Range

SpO₂ 0 - 100%
Pulse Rate 20 - 300 bpm

Accuracy

SpO₂ (70 - 100%) Grey: 1.519 A_{RMS}*, ± 1 S.D = 1.513%
Orange: <3.0 A_{RMS}*
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 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
Class II, Type BF

Safety

Assembly

Construction Water ingress protection IPX2
Dimensions 65 mm (L) x 50 mm (W) x 34 mm (H)
Weight Approximately 49 g (including batteries)
Power Supply 2 x 1.5V, AAA batteries
Battery Life Approximately 24 hours of continuous operation

Part Numbers

VM-2105 (Grey) 0012105
EAN-13 (GTIN-13) Barcode: 5051826000854
NATO Stock Number: 6515-99-488-8273
NHS Stock Code: FBC207

VM-2105 (Orange) 0012106
EAN-13 (GTIN-13) Barcode: 5051826002605
NATO Stock Number: 6515-99-286-0026

Standard accessories included:

Lanyard
2 x AAA Batteries

Optional Accessories

Soft Carry Case, with belt loop, colour - black 0022190
Soft Carry Case, with belt loop, colour - orange 0022191
Soft Carry Case, with belt loop, colour - green 0022192

* in accordance with ISO 9919:2005 Standards.

CE 0086

Specifications Subject to Change



VM-2105 Grey



VM-2105 Orange



Pleth Waveform Display



Large Digit Display

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Part Number: 0092170 V3
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BS EN ISO 9001:2008
ISO 13485:2003