

VM-2105 Silicone Finger Oximeter

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

- Unique soft silicone housing for superior comfort and fit.
- Robust - no hinge assembly.
- 16 bit processing facilitates low perfusion capabilities.
- Clear and bright, colour OLED display.
- Display can be viewed in 4 rotations.
- Large and clear, usable Pleth waveform displayed on 2 rotations.
- Colour coded signal quality and signal strength indicator.
- Adjustable brightness.
- Meets ISO 9919:2005 Standards; shock, vibration, drop and water ingress tests.



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, paramedic applications, 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

SpO ₂	0 - 100%
Pulse Rate	20 - 300 bpm

Accuracy

SpO ₂ (70 - 100%)	0012105: 1.519 A _{RMS} * ± 1 S.D = 1.513%
Pulse Rate	0012106: <3.0 A _{RMS} * ± 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
----------	--

Date displayed

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

Indicators

Digit height (max)	Pulse signal quality & signal strength, battery status 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	Approx. 49 g (including batteries)
Power Supply	2 x 1.5V, AAA batteries
Battery Life	Approx 24 hours of continuous operation

Part Numbers

VM-2105 (Grey)	0012105
<small>EAN-13 (GTIN-13) Barcode: 5051826000854 NATO Stock Number: 6515-99-488-8273</small>	

VM-2105 (Orange)	0012106
<small>EAN-13 (GTIN-13) Barcode: 50518260002605 NATO Stock Number: 6515-99-286-0026</small>	

Standard accessories included:

Lanyard	0022175
2 x AAA Batteries	9950047

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

Specification Subject to Change



VM-2105 Grey



VM-2105 Orange



Pleth Waveform Display



Large Digit Display

Distributed by:



VIAMED

Viamed Limited · 15 Station Road · Cross Hills
Keighley · West Yorkshire · BD20 7DT · United Kingdom
Tel: +44 (0)1535 634 542/636 757
Fax: +44 (0)1535 635 582
Email: info@viamed.co.uk Website: www.viamed-online.com



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