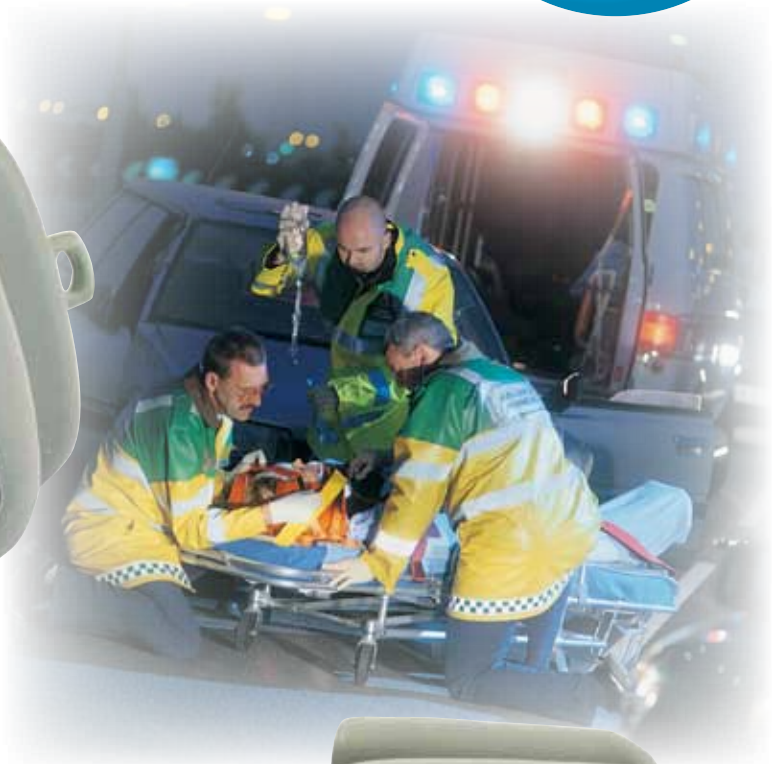# VM-2105 Silicone Finger Oximeter

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**

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 $SpO_2$ and pulse rate. 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.

**Actual Size**

# VIAMED

# VM-2105 Silicone Finger Pulse Oximeter

**Measuring Range**
SpO$_2$ — 0 - 100%
Pulse Rate — 20 - 300 bpm

**Accuracy**
SpO$_2$ (70 - 100%) — 1.519 A$_{RMS}$*, $\pm$ 1 S.D = 1.513%
Pulse Rate — $\pm$ 1 bpm ($\leq$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

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 - 60°C at 10 - 95% RH, 600 - 1300 hPa
Storage temperature — -30 - 70°C at 10 - 95% RH, 600 - 1500 hPa

**Regulatory Approvals**
Standards — CE Class lla 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 — 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
Standard accessories included:
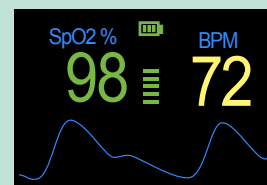Lanyard
2 x AAA Batteries

**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
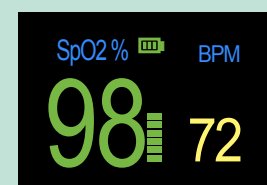Soft Carry Case, with belt loop, colour - blue — 0022193

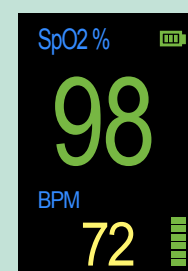**\* in accordance with ISO 9919:2005 Standards.**

**VM-2105 Grey**

**Pleth Waveform Display**

**Large Digit Display**

**Vertical Display**

$C\epsilon$ 0086

**Specifications Subject to Change**

Distributed by:

# VIAMED

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

Part Number: 0092170
Date: 10/18