

# pulse oximetry products



VIAMED



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01535 634 542



01535 635 582



15 Station Road  
Cross Hills  
Keighley  
West Yorkshire  
BD20 7DT



info@viamed.co.uk



www.viamed.co.uk

## VM-2160 SMARTsat

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# VM-2160 SMARTsat

## Hand Held Pulse Oximeters

Designed with the most difficult conditions in mind

- For spot checking or constant monitoring of SpO<sub>2</sub> and pulse rate
- Now incorporating SMARTsat SpO<sub>2</sub> technology
- Clear and bright, colour TFT display
- Robust, ergonomic design with durable silicone protective cover
- Includes a SMARTsat soft silicone sensor
- Stores > 560 hours of trend data
- Adjustable high and low alarms
- Antibacterial keypad



The ergonomic VM-2160 SMARTsat hand held pulse oximeter has the durability of a compact and lightweight hand held unit for spot checking of SpO<sub>2</sub>, but also has the power and functionality of a stand alone pulse oximeter. The very latest and innovative signal processing technologies and algorithms enable precise measurements, even under very difficult physiological conditions.

The VM-2160 incorporates adjustable high and low alarms for both the SpO<sub>2</sub> and pulse rate with audible pulse tones, and is able to store > 560 hours of patient trend data, enabling the unit to also be used at the bedside for continual patient monitoring.

Utilising the latest display technology, the clear and bright colour screen offers superb visibility in all lighting conditions, including direct sunlight.

The VM-2160 SMARTsat can be used in a variety of applications; in hospitals, paramedic ambulances, clinics and dental surgeries - making this an extremely flexible and durable piece of equipment.

European Research Funding



\* Please select from Soft Sensor (Adult or Paediatric), Finger Sensor, Silicone Wrap Sensor, Ear Sensor and indicate at the time of ordering.

# VM-2101 Finger Oximeter

Fast and accurate measurement of SpO<sub>2</sub> and pulse rate, even in cases of low perfusion

- Display can be viewed in 4 rotations
- Large and clear, usable Pleth waveform
- Large digit display formats
- 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  $A_{RMS} = 2.0\%, \pm 1 \text{ S.D.} = 1.86\%$

**High clinical accuracy and robust; ideal for hospital applications**



Actual Size

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, emergency services, clinics and dental surgeries; through to spot-monitoring before, during and after exercise.

# 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  $A_{RMS} = 1.519\%, \pm 1 \text{ S.D.} = 1.513\%$

**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  $SpO_2$  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.

# Low Cost Finger Pulse Oximeters

Range of ultra-compact, lightweight pulse oximeters; adult and paediatric

- Manufactured by ChoiceMMed
- UK quality control by Viamed
- LCD, LED, OLED display variants
- Easy to use; 1-button operation
- Automatic power-off when finger removed
- Uses 2 x AAA 1.5V alkaline batteries



The MD300 series of low cost finger pulse oximeters can be used in a variety of applications, for use in GP surgeries, clinics and dental surgeries, through to spot-checking before, during and after exercise.

The range includes LCD, LED, and OLED displays variants to suit a variety of situations, budgets and requirements. For full specification information please contact Viamed for further information.



**LED  
Display**



**LCD  
Display**



**Colour  
OLED  
Display**

**All Finger Pulse Oximeters in this range include: user manual, batteries and lanyard**  
**Contact us for further information of part numbers and models available.**

# 4000 Series

## SpO<sub>2</sub> Sensors

Reusable and disposable pulse oximetry sensors and cables

- Manufactured using the latest technology and materials
- Quality and robust designs
- Reliable and accurate

**The 4000 Series includes:**

- Finger sensors
- 3rd generation soft silicone finger sensors
- Wrap sensors
- Ear sensors
- Disposable sensors
- Extension and adapter cables

Compatible for use with most original equipment manufacturers' pulse oximeters and patient monitors such as Nellcor, GE, HP/Philips...



\*The universal mounting plate is required when using any of the mounting options shown.



**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](mailto:info@viamed.co.uk) Website: [www.viamed.co.uk](http://www.viamed.co.uk)



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