

pulse oximetry



VM-2160-L

Pulse Oximeter

- For spot monitoring of SpO₂ and pulse rate
- Clear and bright, colour OLED display
- Robust, ergonomic design with durable silicone protective cover



The ergonomic VM-2160-L pulse oximeter is a compact and lightweight hand held unit for spot monitoring of SpO₂ and pulse rates.

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

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

 **VIAMED**

VM-2160-L Pulse Oximeter

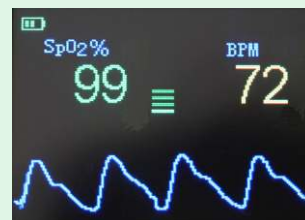
Measuring Range	
SpO ₂	0 - 100%
Pulse rate	20 - 300 bpm
Accuracy	
SpO ₂	+/- 2% (70 - 100%)
Pulse rate	+/- 1 bpm (≤100 bpm) +/- 1% (>100 bpm)
Optical Specifications	
Red emitter	660nm, typ 3.5mW
Infra-red emitter	905nm, typ 3.5mW
Display	
Features	Colour OLED, 262,000 colours, 128 x 160 pixels
Data displayed	Oxygen saturation, pulse rate, Plethysmogram, bar graph, short term trending (15/30/240 min.)
Indicators	Signal quality, pulse amplitude, battery status, volume silenced, sensor detection, sensor disconnection.
Trend Information	
Short term trend	15 / 30 / 240 min.
Environmental Conditions	
Operating temperature	-20 - 50 °C, 15 - 95% RH, 600 - 1300 hPa
Storage temperature	-30 - 70 °C, 10 - 95% RH, 600 - 1500 hPa
Regulatory Approvals	
Standards	CE Class IIa, in accordance with MDD 93/42/EEC
Safety	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
Assembly	
Construction	Water ingress protection IPX2 (IPX4 version available on request)
Dimensions	11.8 cm (l) x 6 cm (w) x 2.5 cm (h)
Weight	approx. 160g (with batteries, without sensor)
Power supply	3 x AA alkaline batteries
Battery life	> 2 days continuous operation or approx. 4 days in economy power mode
Part Numbers	
VM-2160-L*	0012155
Standard accessories included:	
1 x Reusable Adult Finger Sensor	
1 x Silicone Protector Cover	
3 x AA Batteries	
*Language Package: Central European, including:	
English, Afrikaans, Dutch, French, German, Hungarian, Italian, Polish, Portuguese and Spanish.	
VM-2160 - Scandinavian languages (English, Danish, Finish, Swedish)	0012156
VM-2160 - Special EU characters languages (English, Greek, Russian, Turkish)	0012157
VM-2160 - Asia I languages (English, Chinese and Traditional Chinese)	0012158
VM-2160 - Asia II languages (English, Japanese and Korean)	0012159
Accessories	
Reusable Adult Finger Sensor (SF6500)	0014650
Reusable Adult Silicone Finger Sensor, 1.2m cable length (SC6500)	0014750
Reusable Paediatric Silicone Finger Sensor, 1.2m cable length (SCP6500)	0014751
Pulse Oximetry Extension Cable, 1.2m cable length (XT6500)	0014895
Pulse Oximetry Extension Cable, 2.4m cable length (XT6501)	0014896
Silicone Protective Cover	0022160
Carrying Bag, with shoulder strap	0022170
Universal Mounting Kit, V-adapter with female pole-mount thread	0022171
Universal Mounting Clamp, with vertical and horizontal adjustments (CP2345)	0121200
'V' mount pole clamp, horizontal	0121197
'V' mount rail clamp	0121198
'V' mount pole clamp (CP2344)	0121201
'V' mount wall plate (B 647)	0121202
NB. The Universal Mounting Kit is required when using any of the above mounting options.	
Battery 1.5V AA (single item)	9950050



VM-2160-L OLED Display



Finger Sensor for use with VM-2160-L



Pleth waveform display



Large digit display



Short term trending display

CE0086

Specifications subject to change

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BS EN ISO 9001-2000
ISO 13485-2003