

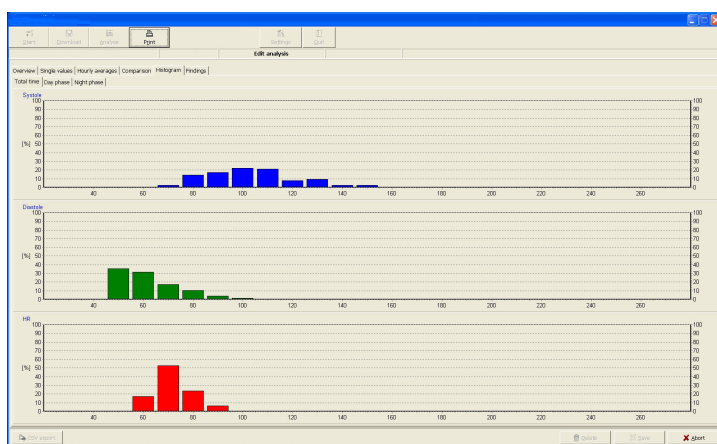
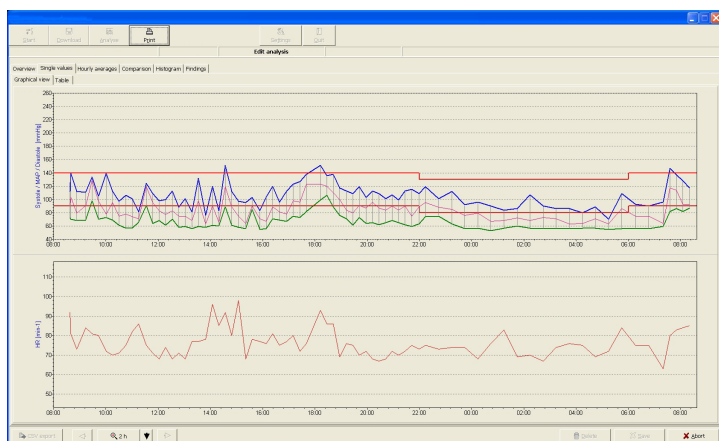
pulse oximetry

VM-2020 NIBP and SpO₂ Monitor

Ergonomic and lightweight ambulatory monitor that combines the very latest in blood pressure and pulse oximetry monitoring technologies

Utilizing patient-friendly blood pressure measurement during inflation of the cuff, halves the measurement time to just 17 seconds.

- Choice of blood pressure measurement: either during inflation or standard deflation measurement
- Choice of day and night time operating modes
- Up to 400 measurements or 30 hours of operation
- SMARTsat high performance SpO₂ technology provides accurate and reliable measurements
- Soft and flexible silicone pulse oximetry sensor optimizes patient comfort



Includes PC documentation software with graphical and tabular data for review.



VIAMED

Blood Pressure Measurement

Measuring Method	Oscillometric method, with VM-2020 inflation technology or classic deflation method
Typical Measurement Time	17 seconds
Measurement Interval	2 - 90 minutes, programmable
Capacity	400 measurements or 30 hours

Measurement Range

Systole	60 - 260 mmHg
Diastole	40 - 220 mmHg
Pulse Rate	35 - 240 bpm
Accuracy Blood Pressure	± 3 mmHg
Accuracy Pulse Rate	± 2 bpm

Pulse Oximetry

Measurement Method	SMARTsat SpO ₂ Technology
Sampling Rate	75 Hz
Value Update	Every 1, 2, 5 seconds
Sensor	SC7500LVM Silicone Finger Sensor, Cable Length 1.8m

Measurement Range

SpO ₂	0 - 100%
Pulse Rate	20 - 300 bpm
Accuracy SpO ₂ (no motion)	± 2 A _{RMS}
(motion)	± 3 A _{RMS}
Accuracy Pulse Rate (no motion)	± 3 A _{RMS}
(motion)	± 5 A _{RMS}

System

Storage Time	Unlimited
Patient Interface	LCD (measurement results, error codes)
Controls	Foil keypad (Start/Stop, Day/Night/Info)
PC Connection	USB 2.0
Dimensions	11 cm (L) x 8 cm (W) x 2.7 cm (H)
Weight	Approximately 190 g (with batteries)
Power Supply	2 x AA batteries

Maximum Operation Conditions

Temperature Range	+10°C to +40°C
Relative Humidity	15 - 95% (non-condensing)
Air Pressure	700 - 1060 hPa

System Standards

BP Measurements Standards	DIN EN 60601-1 (2nd & 3rd edition), DIN EN 60601-1-2, DIN EN 60601-1-6
SpO ₂ Measurement Standards	DIN EN 60601-1-6, DIN EN 60601-2-30, 80601-2-30, DIN EN ISO 81060-2
SpO ₂ Sensor Standards	DIN EN ISO 80601-2-61 DIN EN ISO 10993-1, DIN EN ISO 10993-5, DIN EN ISO 10993-10

Part Number

VM-2020 NIBP and SpO ₂ Monitor	5212020
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Specifications subject to change.

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