

new

seca mVSA 535

Spot-check-monitor for customised configuration

 EMR
Integration

- Conventional measurement of vital signs of blood pressure, SpO₂, pulse rate and temperature.
- Easy integration into any EMR system and connection to seca measuring systems and scales.
- Internal storage for results of approximately 70,000 measurements.
- Integrated replaceable rechargeable lithium ion battery in the monitor.



seca mVSA 535:

The device measures the conventional four vital parameters of blood pressure, SpO₂, pulse rate and temperature.

This high-performance software guarantees the error-free transmission of all measurement values to your EMR system.

Technical Data

GENERAL		
Dimensions (W x H x D)	252 x 262 x 278 mm / 9.9 x 10.3 x 10.9"	
Weight	approx. 3 kg / 5.9 lbs	
Display type	7" touchscreen display	
Power supply	Built-in power adapter, internal rechargeable lithium-ion battery	
Medical device class	IIa	
Interfaces	Wi-Fi, Ethernet, USB 2.0, seca 360° wireless technology	
Compatible printers (Xc), Phase angle (φ)	Conventional laser and ink jet printers via the seca analytics 115 PC software	
Measurement time	30 seconds	
BLOOD PRESSURE MEASUREMENT		
Measuring procedure	oscillometric, deflation or inflation measurement	
Measurement range	Measurement range of deflation measurement: pSYS 25 mmHg – 280 mmHg pDIA 10 mmHg – 220 mmHg pMAP 15 mmHg – 260 mmHg initial cuff pressure adjustable (80 – 280 mmHg)	Measurement range of inflation measurement: pSYS 77 – 200 mmHg pDIA 45 – 190 mmHg pMAP 56 – 193 mmHg
	Measurement accuracy of deflation measurement: Mean deviation systole 0,39 mmHg Standard deviation systole 2,57 mmHg Mean deviation diastole 0,43 mmHg Standard deviation diastole 1,73 mmHg	Measurement accuracy of inflation measurement: Mean deviation systole 0,94 mmHg Standard deviation systole 3,84 mmHg Mean deviation diastole 0,57 mmHg Standard deviation diastole 3,17 mmHg
Measurement accuracy		
Measurement certainty	Excess pressure limit 300 mmHg; automatic pressure release at 330 mmHg	
Measurement time	Normal: 15 – 20 seconds / max. 90 seconds (adults)	
Pulse rate	Range 30 – 240 bpm; accuracy ± 3 bpm	Range 45 – 200 bpm; accuracy ± 3 bpm
SPO ₂		
	Masimo SET®	seca
Measurement method	Pulse oximetry	Pulse oximetry
Measurement range (SpO ₂)	0 – 100 %	0 – 100 %
Measurement accuracy (SpO ₂)	SpO ₂ – no motion = < 2 %; SpO ₂ – in motion = < 3 %	SpO ₂ – no motion (60 % – 100 %) ± 2 Arms; SpO ₂ – in motion (70 % – 100 %) ± 3 Arms
Measurement range (PR)	Pulse rate PR 25 bpm to 240 bpm; Perfusion index measurement range 0,02 % – 20 %	Pulse rate PR (Standard) 30 bpm to 240 bpm; Pulse rate PR (Enhanced) 20 bpm to 300 bpm
Measurement accuracy (PR)	PR – no motion = < 3 bpm; PR – in motion = < 5 bpm	PR – no motion = ≤ 2 bpm; PR – in motion = n/a
TEMPERATURE MEASUREMENT		
	Filac 3000®	Genius® 2
Measurement methods	axillary/oral, rectal (direct or predictive)	in-ear (direct)
Measurement range	direct 30 °C – 43 °C (86 °F – 109.4 °F) pr edictive 35.5 °C – 42 °C (95.9 °F – 107.6 °F)	33 – 42 °C / 91.4 – 107.6 °F
Measurement accuracy	direct ± 0.1 °C (± 0.2 °F) predictive ± 0.1 °C (± 0.2 °F)	* Ambient temperature: 25 °C (77 °F) Target temperature: 36.7 °C – 38.9 °C (98.1 °F – 102 °F) ± 0.1 °C (± 0.2 °F) * Ambient temperature: 16 °C – 33 °C (60.8 °F – 91.4 °F) Target temperature: 33 °C – 42 °C (91.4 °F – 107.6 °F) ± 0.2 °C (± 0.4 °F)
Response time	direct 60 – 120 seconds; predictive (oral) 3 –10 seconds; predictive (axillary) 8 –12 seconds; predictive (rectal) 10 –14 seconds	< 2 seconds
Probe covers	490 0015	490 0016



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