



Maxwell

Aquarius Vital Sign Monitor



ISO 13485



0197



Manufactured by: Northern Meditec Ltd, P.R. China

Vital Sign Monitor Features

- Measures Blood pressure, Oxygen Saturation, Pulse Rate, Pulse intensity and Temperature simultaneously
- Anti-motion and low perfusion technology
- 5" high colour LCD display
- Audio and Visual alarms
- For use on Adult, Paediatric and Neonatal patients
- Dynamic Data and Graphic Trends view
- Anti-motion and low perfusion technology
- Data download through micro USB port



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Performance Specifications:

Display	3.5 inch color TFT
Resolution	320*480
Indicator	Alarm Indicator, Power Indicator
Trace	1 Plethysmogram waveform
Alarm	Probe Off, Low Power
Alarm	ModesVisual & Audio
Application	Neonatal, Pediatric & Adult Patients
Power Type	Lithium ion battery
Operation Time	8 hours for normal operation
Temperature	Operating: 0-45 Deg. Celsius
Storage/Transportation	-20 – 65Deg. Celsius
Humidity	Operating: 15% to 90% noncondensing
Storage	0 to 95% noncondensing
Altitude	Operating Altitude: Up to 5000 meters
Size	Dimension 146mm*67mm*30mm
Weight	250g

NIBP

The Wider NIBP measurement range:

	Adult	Pediatric	Neonatal
SYS	40-270mmHg	40-200mmHg	40-135mmHg
MEAN	20-230mmHg	20-165mmHg	20-105mmHg
DIA	10-210mmHg	10-150mmHg	10-95mmHg

Pulse rate range: 40-240 bpm

NIBP measurement accuracy: ± 3 mmHg

Pulse rate measurement accuracy: $\leq 2\%$ (≥ 100 BPM) or 2 beats/min (< 100 BPM)

Independent software protection pressure

Adult: 300mmHg PED: 240mmHg NEO: 150mmHg

Independent hardware protection pressure:

Adult: 320-330mmHg PED: 265-275mmHg NEO: 160-165mmHg

Oxygen Saturation (%SpO2):

Measurement range: SpO2: 0-100% PR: 0-245 bpm

Perfusion range: 0.05%-20%

Accuracy range: SpO2 saturation: 70-100%

Pulse rate: 20-254 BPM

Perfusion Index: 0.025%-20%

Measurement accuracy SpO2: Adult (including pediatric)

+ 2 digit (70-100%), not defined ($< 70\%$)

Neonate + 3 digits, not defined ($< 70\%$), on motion condition + 3 digit

PR:

Adult (including pediatric) + 3 digits

Neonate + 3 digits, on motion condition + 3 digit

Perfusion Index: 0.05% - 20%

Resolution: SpO2 saturation: 1%

Pulse rate: 1 BPM



Temperature:

Measurement range: 25-45 Deg. Celsius

Resolution: 0.1 Deg. Celsius

Accuracy: 0.1 Deg. Celsius