Aquarius Vital Sign Monitor



Committed to Excellence

For Out-Patient Department, Spot-check, Transport, Ward and other basic monitoring

Optional Configuration

SpO2 + NIBP, Li-ion battery Masimo/Nellcor SpO2, Quick Temp, Bar code scanner, wired/wireless CMS

SpO2+NIBP+ECG+TEMP, Li-ion battery

Masimo/Nellcor SpO2,EtCO2,Quick Temp,Bar code scanner,Thermal Recorder,wired/wireless CMS





Portable Design



Touch Screen (Optional)

Masimo SET® SpO2



Bar/QR Code Scanner

240 Hours long trend 120 Mins short trend NIBP measurement 1000

Alarm events

200

Northern Meditec Limited

Aquarius Vital Sign Monitor



- · Portable,Lighter weight and sturdy design
- MEWS (Modified Early Warning Score)
- Calculations: Hemodynamics/Dose calculation
- Rechargeable Li-ion Battery(up to 15 hours uninterruptable work)
- Spot-check and continuous monitoring mode

· Suitable for Adult, Pediatric and Neonatal

98 60

36.0

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- Wired/WIFI/3G/4G CMS, support HL7 protocol to HIS
- · Barcode scanner, Infrared ear/Forehead thermometer
- Night mode selectable, reduce light stimulation and noise
- Graphical & tabular trend review (240 hours)
- · 48H full disclosure wave review for each patient

Specifications

Display: 8.4" TFT LCD screen Resolution: 600 x 800

Number of traces: 3, up to 7 ECG waveforms Dimension: 175×275×175mm(W×H×D) Weight: < 2.5 kg under standard configuration LAN: 1 standard RJ45 port

WLAN: IEEE 802.11b/g/n USB: 2 USB interface

Lead type

3-lead:I, II, III

5-lead:I, II, III,aVR, aVL, aVF, V ECG waveform: 1 channel, 7 channels

Display sensitivity:

2.5mm/mV (×0.25), 5mm/mV (×0.5), 10mm/mV (×1.0), 20mm/mV (×2.0)

Wave sweep speed:

3.125mm/s, 6.25mm/s, 12.5 mm/s, 25 mm/s, 50 mm/s Bandwidth

Diagnostic mode: 0.05Hz~100Hz Monitor mode: 0.5Hz~40Hz Surgery mode: 1Hz~20Hz Strong filter mode: 5Hz~20Hz

CMRR>100dB

Notch: 50/60Hz notch filter can be set to on or off

Differential input impedance>5M Ω Electrode polarization voltage range: ±400mV

HR range: 15 - 350 bpm

Baseline recovery time < 3s after defibrillation (in monitor and surgery mode

Calibration signal:1mV (peak - peak), accuracy ±3%

Measurement method: Thoracic electrical bioimpedance

Measuring lead: Lead I, II Wave gain: ×0.25, ×0.5, ×1, ×2

Respiratory impedance range: $0.5-5\Omega$

0 - 150bpm

Baseline impedance: $500-4000\Omega$

Gain: 10 grades

Scan speed: 3.125mm/s, 6.25mm/s, 12.5 mm/s, 25mm/s

Measurement method: Thermistor

Measuring range: 5~50°C (41~122°F)

Resolution: 0.1°C

Measurement accuracy: ±0.1°C

Measurement method: Automatic oscillometric method Operating mode:Manual, automatic, continuous

Measurement unit: mmHg/kPa selectable Typical measurement time: 20~40s

Measurement type: Systolic, Diastolic, Mean

Measurement range (mmHg)

Range of Systolic pressure: Pediatric 40-200 Neonatal 40-135 Range of Diastolic pressure: Adult 10-210

Range of Mean pressure: Adult 20-230 Pediatric 20-165

Measurement accuracy Maximum average error: ±5mmHg

Maximum standard deviation: 8mmHg

Resolution: 1mmHg

Interval:1,2,3,4,5,10,15,30,60,90,120,180,240,480minutes Overpressure protection: Software and hardware,

double safety protection

Pediatric

Neonatal

10-150

20-105

Cuff pressure range: 0-300mmHg

Measurement range: 0-100%

Parameter monitoring: Perfusion Index(PI) :1-10

Optional Pleth Variability Index(PVI)

Resolution: 1%

Accuracy: ±2% or ±2bpm

Refreshing Rate: 1s

Measurement range: 0-100%

Resolution: 1%

Accuracy: ±2% (70-100%, Adult/Pediatric,non-motion,low

±3% (70-100%, Neonate,non-motion);

±3% (70-100%, motion);

0-69%,unspecified

Refreshing Rate: 1s

Range: 30~300 bpm Accuracy: ±2bpm (non-motion)

±5bpm (motion Refreshing rate: 1s

Displayed range: 34~42.2°C (93.2~108 F°)

Operation ambient temperature range: 10~40°C (50~104°F)

Accuracy for displayed temerature range: ≥35°C (95.9°F) ~≤42.2°C (107.6°F) range ±0.2°C (0.4°F)

<35°C (95.9°F) ~≥34°C (93.2°F) range ±0.3°C (0.5°F)

Warm-up time: Full accuracy within 10 seconds Sampling flow rate: 50ml/min(+/-10/min)

> 0~15% (±0.2% of the reading) 15~25%, unspecified

Measurement Range: 0 -25%

Rise time: 200ms,typical at 50ml/min flow rate Total response time:

within 3 seconds(with 2m Momoline sampling line)

AWRR Range: 0~150bpm

Measurement Range: 0 -25% Warm-up time: Full accuracy within 10 seconds

0~15% (±0.2% of the reading) Accuracy:

15~25%, unspecified

AWRR Range: 0-150bpm

Built-in, Thermal dot array

Horizontal resolution :16 dots/mm (25 mm/s paper speed)

Vertical resolution:8 dots/mm

Paper speed:12.5mm/s, 25 mm/s, 50 mm/s

Number of waveform channels:3

Input Power: AC 100-250V, 50/60Hz Temperature: 5-40°C

< 85% Humidity:

Patient Range: Adult, Pediatric, Neonate







