Pisces

Bed-side Patient Monitor



Committed to Excellence

12.1" color TFT LCD screen, wide and flat screen design

Configuration

Optional

ECG+SpO2+NIBP+2TEMP+PR+RESP, Li-ion battery





Masimo CO2/Multi-gas



Masimo SpO2

Graphic	Tabular	NIBP	Even
Time	SP02	PR	T1
(09)11:28:40	98	60	36.0
(09)11:28:39	98	60	36.0
(09)11:28:38	98	60	36.0
(09)11:28:37	98	60	36.0
(09)11:28:36	98	60	36.0
(09)11:28:35	98	60	36.0

Graphical & Tabular Trend

120	Hours long trend
60	Mins short trend
1000	NIBP measurements
200	Alarm events



Northern Meditec

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Bed-side Patient Monitor

- 12.1" color TFT LCD screen
- 8 waveform display,up to 12-lead ECG analysis
- Powerful calculation(Hemodynamic, Dose, Oxygenation, Ventilation)
- Pacemaker detection
- ST & arrhythmia analysis
- OxyCRGs







- Various mounting solutions
- Wired/Wireless CMS, support HL7 protocol to HIS
- SpO2 pulse-tone modulation (Pitch Tone)
- · MEWS(Modified Early Warning Score)
- Graphical & tabular trend review(120 hours)
- · 48h full disclosure wave review for each patient

Specifications

Display

12.1" TFT Touch screen

Resolution: 800 x 600 (1024 x 768 optional) Number of traces: 8, up to 12 ECG waveforms

Dimension: 310×292×174mm(W×H×D)

Weight: < 5 kg under standard configuration LAN: 1 standard RJ45 port

WLAN:IEEE 802.11b/g/n

USB: 2 USB connectors

Output:1 connector for Nurse call, Defib Sync Analog Output

Lead type :3-lead,5-lead,12-lead(optional)

ECG waveform: 2 channels, 7 channels, 12 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

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

ST Measurement Range: -1.0 - +10 mv Baseline recovery time<3s after defibrillation (in monitor and

surgery mode)

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

Accuracy: ±0.1°C or ±0.2°F (without probe)

Measurement range: 0~50°C Channel: Two channels

Resolution: 0.1°C

Parameters: T1,T2 and TD

Measurement method: Thoracic electrical bioimpedance Operation modes: Auto/Manual

Measuring lead: Lead I, II

Measurement range: Adult:0~120 bmp; Neonate/Pediatric:0~150hpm

Resolution: 1 bpm Apnea alarm delay:10s,15s,20s,25s,30s,35s,40s

Apnea alarm: Selectable Wave gain: ×0.25, ×0.5, ×1, ×2

Respiratory impedance range: $0.5-5\Omega$ Baseline impedance: $500-4000\Omega$

Gain: 10 grades

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

Range: 30~300 bpm

Resolution: 1bpm

Accuracy: ±3bpm (non-motion) ±5bpm (motion)

Refreshing rate: 1s

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: 40-280 Pediatric

40-200 Neonatal Range of Diastolic pressure: Adult

Pediatric 10-150 Neonatal 10-95

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

Measurement accuracy Maximum average error: ±5mmHg Maximum standard deviation: 8mmHq

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

double safety protection

Cuff pressure range: 0-300mmHg

Measurement range : 0-100%

Parameter monitoring: Perfusion Index(PI)

Pleth Variability Index(PVI)

Resolution: 1% Accuracy: ±2% or ±2bpm

Refreshing Rate: 1s Pleth wave speed: 3.125mm/s, 6.25mm/s, 12.5 mm/s, 25mm/s

Measurement range: 0-100%

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

±3% (70-100%, Neonate,non-motion);

±3% (70-100%, motion); 0-69%,unspecified

Refreshing Rate: 1s

Method: Thermodilution Range: C.O.: 0.2 to 20 L/min

T1: -1 to 27℃ Accuracy:C.O.: ±5% or ±0.1L/min, whichever is greater TB,T1: ±0.5°C (without sensor)

Channel:2-channel or 4-channel

ART: 0 to 300 mmHg PA: -6 to 120 mmHg

CVP/RAP/LAP/ICP: -10 to 40 mmHg

Measurement range: P1/P2 -50 to 300 mmHg Resolution:1mmHa

Accuracy:

±2% or ±1mmHg, whichever is greater(without sensor) Sensitivity: 5uV/mmHg/V Impedance range: 300 to 3000Ω

Warm-up time: Full accuracy within 10 seconds

Sampling flow rate: 50ml/min(+/-10/min) 0~15% (±0.2% of the reading) Accuracy:

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

15~25%, unspecified AWRR Range: 0-150bpm

Gas:CO2,N2O,HAL,ISO,ENF,SEV,DES with automatic identification Warm-up time: Full accuracy within 20 seconds for IRMA AX+ CO2 Accuracy: 0-10%:±(0.2%+2% of the reading) 0-15%:±(0.3%+2% of the reading)

N2O Accuracy:0-100%:±(2%+2% of the reading)

HAL,ISO,ENF:0-8%:±(0.15%+5% of the reading) SEV:0-10%: \pm (0.15%+5% of the reading)

DES:0-22%:±(0.15%+5% of the reading) Agent identification time: < 20s(typical < 10s)

AWRR range:0-150bpm AWRR accuracy:+/-1bpm Apnea time:20-60s

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

AC 100-250V, 50/60Hz Temperature: 5-40°C < 80% Humidity:

Patient Range: Adult, Pediatric, Neonate

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