



Committed to Excellence

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

Configuration

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

Optional





7-lead ECG



Graphical & Tabular Trend

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



Northern Meditec

Virgo Patient Monitor









- 12.1" color TFT LCD screen(touchscreen is optional)
- 8 waveform display,up to 12-lead ECG analysis
- Powerful calculation(Hemodynamic,Dose,Oxygenation,Ventilation)
- · Pacemaker detection
- ST & arrhythmia analysis(17 types)
- SpO2 support PI, low perfusion 0.2%
- Night mode, standby mode, venipucture mode

- 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(240 hours), USB data output
- Rechargeable Lithium-Ion Battery
- 48 Hours full disclosure waveforms review & print for each patient

Specifications

Display

12.1" TFT LCD 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: < 4 kg under standard configuration LAN: 1 standard RJ45 port

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

Lead type :3-lead,5-lead,12-lead(optional) ECG waveform:2 channels,7 channels, 12 channels Display sensitivity(wave gain):

1.25mm/mV(×0.125), 2.5mm/mV (×0.25), 5mm/mV (×0.5), 10mm/mV (×1.0), 20mm/mV (×2.0), 40mm/mV (×4.0), Auto

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%

Range: 30~300bpm Resolution: 1bpm Accuracy: ±2bpm (non-motion)

Refreshing rate: 1s

Measurement range: 0-100% Resolution: 1% Perfusion index display Accuracy: ±2% (70-100%, Adult/Pediatric); ±3% (70-100%, Neonate)

0-69%,unspecified Refreshing Rate: 1s

Measurement method: Thoracic electrical bioimpedance Operation modes: Auto/Manua Measuring lead: Lead I, II

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

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

Accuracy:±0.1°C or ±0.2°F Measurement range: 5~50°C (41~122°F)

Channel: Two channels Resolution: 0.1°C Parameters: T1,T2 and TD

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) 40-280 Range of Systolic pressure:

Pediatric 40-135 Neonatal Range of Diastolic pressure: Adult Pediatric 10-150 10-95 Neonatal Range of Mean pressure: 20-230

Pediatric 20-165 Neonatal 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

Cuff pressure range: 0-300mmHg

Built-in, Thermal dot array Horizontal resolution :16 dots/mm (25 mm/s paper speed) Vertical resolution:8 dots/mm Paper speed:25 mm/s, 50 mm/s Number of waveform channels:3

Measurement range: 0-100%

Resolution: 1%

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

Measurement range: 0-19.7%,150mmHg, or 0-20kPa Resolution: 0.1mmHg

Measurement accuracy

0 - 40 mmHg: ± 2 mmHg 41 - 70 mmHg: ± 5% of reading

71 - 100 mmHg: ± 8% of reading

101 - 150 mmHg: ± 10% of reading

Respiration rate: 3-150 bpm Respiration rate accuracy: 1% ± 1 bpm

Warm-up time: 97% within 8s, full accuracy within 20s

Measurement rage: 0-20% (0 - 150mmHg)

Accuracy: < 5.0% CO 2: ± 2 mmHg > 5.0% CO 2: < 6% of reading

Respiration rate: 2 ~ 150 BPM

Respiration rate accuracy: 1% ±1BPM

Warm-up time: 97% within 45s, full accuracy within 10 min

Rise times(t10-90%): About 100ms, when flow is 100 ml/min, adult water trap, 1.5m sampling tube

Delay time: <3sec when flow is 100 ml/min, adult water trap. 1.5m sampling tube

Channel:2-channel or 4-channel ART: 0 to 300 mmHg PA: -6 to 120 mmHg

CVP/RAP/LAP/ICP: -10 to 40 mmHa Measurement range: P1/P2 -50 to 300 mmHg

Accuracy: ±2% or ±1mmHg, whichever is greater(without sensor)

Sensitivity: 5uV/mmHg/V Impedance range: 300 to 3000Ω

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

Humidity: <80%

Patient Range: Adult, Pediatric, Neonate



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