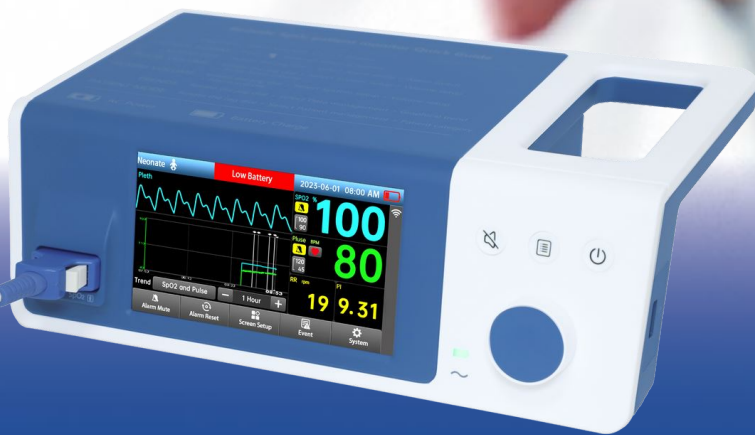


Bedside SpO₂ Patient Monitoring System



NARIGMED@ BEDSIDE SPO2 PATIENT MONITORING SYSTEM



Anti-motion Accuracy

Precise measurements even under motion interference.



Low Perfusion Accuracy

Provides precise measurements even in low perfusion conditions $PI \geq 0.025\%$.



Simplicity and Small Size

Easy to operate and intuitive, with a space-saving design.



Neonatal-Specific

Monitoring system and algorithm designed specifically for neonates.



Multi-Parameter Monitoring

Real-time monitoring of SpO₂, PR, RR, TEMP and NIBP.



Display and Alerts

Equipped with a 5-inch color display for easy viewing, variable tone beep alerts for clinicians to monitor SpO₂ changes, and a mute button with a countdown timer for convenient operation.

ORDERING INFORMATION

| Description | Model |
|---|----------|
| Bedside SpO2 Patient Monitoring System | BTO-100A |
| Bedside SpO2 Patient Monitoring System(NIBP+TEMP) | BTO-200A |
| Bedside SpO2 Patient Monitoring System(NIBP+TEMP+CO2) | BTO-300A |

FEATURES AND SPECIFICATIONS

Measurement Range

SpO2: 1% to 100%

Pulse rate: 30 to 300 beats per minute (bpm)

Pulse amplitude: 0.025% to 20%

Respiratory rate: 4 to 70 times per minute(rpm)

Temp: 5°C to 50°C /41°F to 122°F

CO2: 0mmHg to 150 mmHg

DBP 20~240mmHg(Adult)/ 20~200mmHg(Pediatric)/ 20~115mmHg(Neonate)

SBP 40~280mmHg(Adult) / 40~240mmHg(Pediatric) / 40~140mmHg(Neonate)

MBP 25~265mmHg (Adult)/ 25~215mmHg(Pediatric, Neonate)

Accuracy

SpO2 Saturation (%)

70% to 100% ± 2 digits (Adult/Neonate, no motion)

70% to 100% ± 3 digits (Adult/Neonate, motion)

Low perfusion:PI≥0.025% 70% to 100% ± 2 digits

Pulse Rate (bpm)

30 to 300 bpm ± 2 bpm (no motion,low perfusion)

30 to 300 bpm ± 4 bpm (motion,low perfusion)

NIBP (mmHg)

Maximum average error: ±5mmHg

Maximum standard deviation: 8mmHg

TEMP (°C/°F)

±0.1°C or ±0.2°F

CO2 Mainstream (mmHg)

0mmHg to 40 mmHg ±2 mmHg ; 40mmHg to 114 mmHg ±5%

71mmHg to 100mmHg ±8% ; 101mmHg to 150mmHg ±10%

Electrical

Power supply requirements: 100 to 240 VAC, 50/60Hz

Fuse rating: Fast-acting 2A 32VAC/DC, Fast-acting 500mA 32VAC/50DC

Battery: Li-Ion ; Voltage and capacity: 3.7V/5200mAh

Standards Compliance

EN ISO 80601-2-61: 2017/EN IEC 60601: 2020

Equipment Classifications

Type of protection against electric shock: Class 1 (internally powered)

Degree of protection against electric shock: Type BF - Applied part

Mode of operation: Continuous

Degree of safety: Not suitable for use in the presence of flammable anesthetics

Display/Indicators

5-inch LCD color display / Different parameters are different colors

Visual indicators: Pulse search, audible alarms muted or off, interference

indicator, battery charging, and alarm management clock, pleth.

Alarms

Audible and visual alarms for high/low SpO2/PR/NIBP/TEMP/CO2

Audible and visual warning indicators for low battery and sensor off

Audible and visual sensor disconnect alarms

System Characteristic

NIBP measurement method : Automatic oscillometric method

NIBP operating mode:Manual, Automatic, Continuous

NIBP Interval mode: 1/2 /3 /4 /5 /10/15/30 min/1h/1.5h/2h/3h/4h/8h

NIBP typical measurement time: 20~40s, Overpressure protection

CO2 Initialization Time:Capnogram displayed in less than 20 secondsReaching full specifications within 20 minutes.

Environmental

Temperature: 5°C to 40°C (41°F to 104°F)

Altitude:-170 m to 4877 m (-557 ft to 16,000 ft)

Pressure: 58kPa to 103kPa (17.1 in.Hg to 30.4 in.Hg)

Transport and Storage

Temperature: -20°C to 60°C (-4°F to 140°F)

Altitude:-304 m to 6096 m (-1000 ft to 20000 ft)

Pressure: 50kPa to 106kPa(14.7 in.Hg to 31.3 in.Hg)

Relative humidity:15% to 93% non-condensing

Size

Weight: 1.23 kg (2.71 lbs)

Size: 91 H x 265 W x 168 D (mm)/ (3.58 H x 10.43 W x 6.62 D (in)



About Narigmed

Narigmed is a company specialized in Physiological information monitoring equipment developing, manufacturing, marketing and service. Narigmed is committed to providing quality products and services to medical institutions around the world, always oriented to customer needs. For over 10 years, Narigmed has been pioneering a comprehensive line of medical solutions that address a broad range of healthcare practices including :

- ECG Monitoring
- SPO2 Monitoring
- NIBP Monitoring
- Wearable Medical Treatment in Hospital
- Sleep Monitoring



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