



M8/M8A/M8B Patient Monitor

Portable and reliable total monitoring solution for Intensive care / Intermediate care

Safety Standards CE Marking in accordance to Council Directive 2007/47/EC concerning Medical Devices IEC 60601-1+A1+A2; IEC 60601-1-2+A1

Physical Specification Device dimension: 320 mm (L) x 150 mm (W) x 265 mm (H) Weight: Standard Configuration 4.2 kg(with battery)

Display Color TFT LCD 12.1" (M8) 10.4" (M8A) 10.1" (M8B) Resolution: 800 X 600 dpi (M8 / M8A) 800 X 480 dpi (M8B) Traces Displayed: up to 8 Waveforms Displayed: up to 13 Various Working Interface Selectable: Standard Monitoring Display Large Font Intensive Care Display Bed to Bed view Display (Optional) OxyCRG Dynamic View Display Drug Dose Calculation Interface

Environment requirement Ambient Temperature: -20°C - 55°C (-4 - 131° F) Humidity: 15%-95% non-condensing

Power Supply External Power Supply 100-240V AC, 50/60HZ Pmax=80VA Internal Battery Power Supply Type: Rechargeable Li-ion 14.8 V DC 2200 mAh 4400 mAh (optional) Battery working period: up to 4.5 hours Recharging time < 150 minutes (2200 mAh)

RESP Method: Trans-thoracic impedance Operation mode: Auto/ Manual RR Measurement range: Adult: 0-120 rPM Neonate/Pediatric: 0-150 rPM Resolution: 1rPM Apnea alarm threshold: 10s,15s,20s (default),25s,30s,35s,40s Alarm: Yes, audible and visual alarm, alarm events recallable Band width: 0.2-2.5Hz (-3dB) Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s

ECG Lead type: 5-lead and 3-lead selectable RA; LA; LL or R; L; F 3 leadwire cable: RA; LA; RL; LL; V or R; L; N; F; C Lead selection: 3-lead: I; II; III; 5-lead: I; II; III; aVR; aVL; aVF; V

Gain selection: x0.125;x0.25; x0.5; x1; x2; x4; auto Sweep speed: 6.25mm/s,12.5mm/s, 25mm/s, 50mm/s ECG HR Range: Adult: 15-300bpm Pediatric /Neonate: 15-350bpm Resolution & accuracy: ±1bpm or ±1% whichever is greater Filter: Diagnostic mode: 0.05-150Hz Monitoring mode: 0.5-40 Hz Surgical mode: 1-20Hz Withstand 5000VAC/50Hz Voltage in isolation against Defibrillation and electrosurgical interference ST-Segment Detection: Measurement range: -2.0 mV~2.0mV Alarm range: -2.0 mV~2.0mV ST-Segment Arrhythmia analysis and categorization : Yes ARR Alarm: Audible and visual alarm, alarm events recallable Pacemaker detection: Yes, and 5 types abnormal state detectable IEC 60601-2-25; AAMI EC 11/EC 13 IEC 60601-2-27

NIBP Method: Automatic Oscillometric Operation modes: Manual/Automatic/Continuous Auto measurement time interval: Adjustable 1 / 2 / 3 / 4 / 5 / 10 / 15 / 30 / 60 / 90 / 120 / 240 / 480 Minutes Measurement unit: mmHg/kPa selectable Measurement types: Systolic, Diastolic, Mean Pressure range for Adults: Systolic: 40 - 270 mmHg Diastolic: 10 - 215 mmHg Mean: 20 - 235 mmHg Pressure range for Pediatrics: Systolic: 40 - 200 mmHg Diastolic: 10 - 150 mmHg Mean: 20-165 mmHg Pressure range for Neonates: Systolic: 40 - 135 mmHg Diastolic: 10 - 100 mmHg Mean: 20 - 110 mmHg

Leak test and pressure auto calibration: Yes Over-pressure protection: Dual Safety protection Resolution: 1mmHg Accuracy: Max mean error: ±5 mmHg Max standard deviation: ±8 mmHg Alarm: Systolic, Diastolic, Mean PR from NIBP: Measurement 40~240bpm Resolution: 1bpm Accuracy: 3bpm or 3% whichever is greater Leak test and pressure auto calibration: Yes IEC 60601-2-30 Sp10: 2002

SpO2 Measurement & Alarm Range: 0 - 100% (BONSPO2) Resolution: 1%;

Accuracy: ±2% (70-100%, Adult/Pediatric) ±3% (70-100%, Neonate) PR Measurement and Alarm Range: 25 - 300bpm Resolution: 1bpm Accuracy: 3bpm Refresh rate: 1s ISO 9919

IBP (2 Channels, optional) Measurement Pressure: Measurement range: -50 - 300 mmHg Resolution: 1 mmHg Accuracy: ±2% or ±1 mmHg, whichever is greater (without probe) Sensitivity: 5µV/V/mmHg; Impedance range: 300-3000 Ω IEC 60601-2-34

CO2 (By Philips Respironics, optional) Mainstream or Sidestream By Philips Respironics CAPNOSTAT® 5 & LoFlo™ Technology Range: 0-150mmHg Accuracy: ±2% 0-40mmHg ±5% 41-70mmHg ±8% 71-100mmHg ±10% 101-150 mmHg AwRR Accuracy: ±1 rpm Convenient design for intubated and non-intubated applications Possible to work at low sample flow rate: 50ml / minute Detailed specification refer to the user manual of Respironics ISO 21647

CO2 (By BON Instruments, optional) Sidestream Range: 0-13% (0-100mmHg) Accuracy: ±2mmHg <5.0 % CO2 <6% of the reading >5.0 % CO2 AwRR Accuracy: 1% or ±1rpm Sample flow rate: 100ml/min-200ml/min

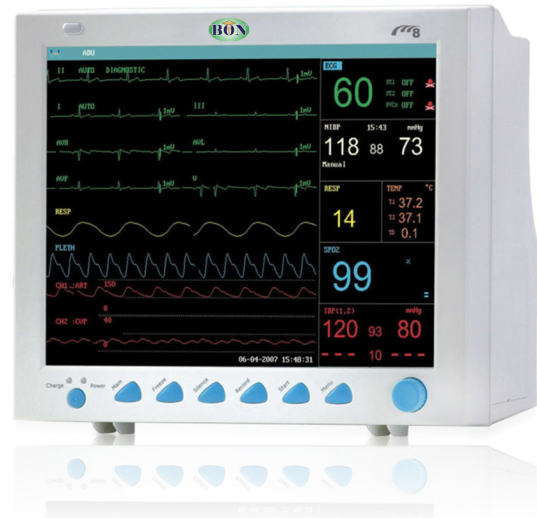
Temperature (2 Channels, 1 probe by default) Measurement /Alarm range: 0-50°C (32-122° F) Probe type: YSI (B Series) and CF-FI Resolution: 0.1°C Accuracy: ±0.1°C (without probe) Channel: Dual-channel. Provide T1; T2; Δ T IEC 12470-4

Thermal Recorder (Optional) Built-in, direct thermal pixel array recorder Up to 3 channels printing, 1,2, 3 channels selectable Print speed: 25mm/s, 50mm/s

I/O Interface USB Port, RJ-45 Ethernet Port, IEEE 802.3, VGA output (optional) Nurse Call output WLAN Access Point 802.11g 54Mbps (optional)

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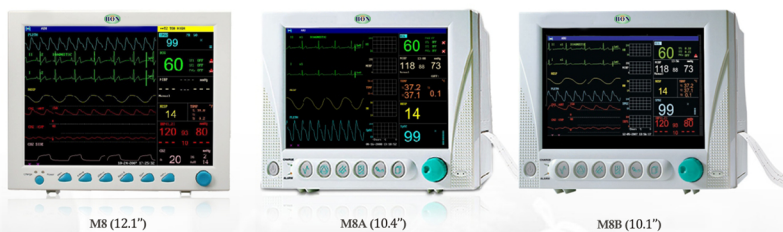
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Feature

- 12.1" /10.4" /10.1" color TFT display
• Pacemaker detection, defibrillation and electrosurgical interference protection
• 720s long time full-disclosure waveforms review
• SpO2 pulse-tone modulation (Pitch Tone)
• Full ECG waveform display
• Nurse Call function and bi-directional communication with MFM-CMS central station
• Powerful data storage capacity and power off storage
• VGA output (optional)
• Complete and flexible mounting solution for transportation and in-patient monitoring
• Data management by PatientCare viewer PC software

Standard parameters: 3/5-lead ECG, BON SpO2, RESP, NIBP, 2-TEMP, PR
Optional: Thermal Recorder, WLAN accessory kit, 2-IBP, Philips Respironics LoFlo™ Side-stream CO2 and CAPNOSTAT®5 Main-stream for intubation and non-intubation application.

Global leading technology with unique plug-and-play feature while switching between sidestream and mainstream

LoFlo™ sidestream CO2 for intubated and non-intubated patients



Low sample velocity of flow which is especially suitable for neonatal patients (50ml/min)
Filter tip (Patient) to obstruct the water vapor from contamination
No need for water trap

CAPNOSTAT® 5 mainstream CO2 for intubated patient

Suitable for any traditional breathing machine
No need to calibrate at a regular basis
Short warm-up time



Storage Capability

96 hours graphic and tabular trends of all parameters
500 NIBP measurement
60 alarm events
Easy to view long term historical data
BON M8 series support external USB storage. The stored data are able to review by plug the flash disk on monitor/manage on PC.



Mounting Solution

Complete and flexible mounting solution for ICU and operation room
With a variety of highly innovative mounting system.



Network Solution

Wired/Wireless LAN Nurse call

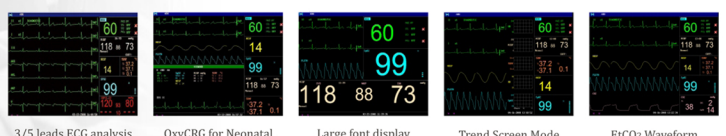


Recorder

Built-in thermal Printer
Print Speed: 25mm/s 50mm/s



Display Modes



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