Mediblu

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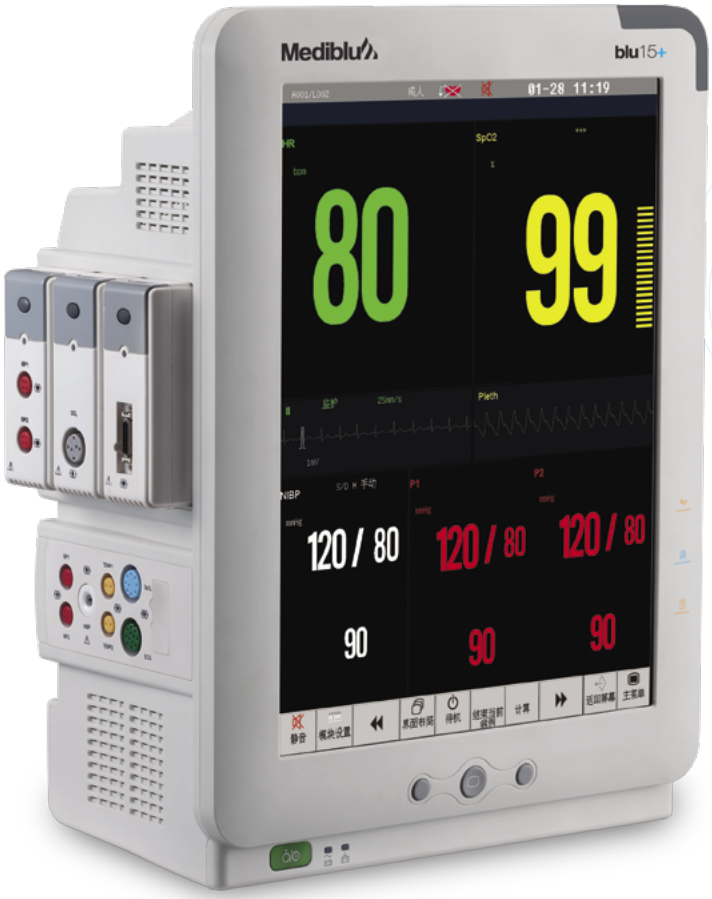
blu15+

Multi-Parameter Patient Monitor



Easy to use Multi-Parameter Patient Monitor, dedicated to In-hospital applications including emergency room pre and post-operative care, ICU, Operating room, ambulatory surgery, intermediate care/step down units, labour & delivery, and hospital based special procedure areas.

Advanced ergonomic design, portable, compact & lightweight. Userfriendly and intuitive user interface and software:

» 15” Touch Colour LCD Screen.
» Multi-channel waveform display.
» Portable operation, multi-pronged.
» Full-screen touch, fingertip operation.
» Fast button backlit design for easy night operation.
» Ergonomic knob operation, classic and flexible.
» Plugin & use, powerful 3 module slots, easy to upgrade.
» Flexible combination, resource sharing.
» Global gold standard Masimo SpO2, ensures low perfusion measurement.
» Sun tech NIBP blood pressure, accurate blood pressure measurement.

Suitable for adult, pediatrics & neonates

Anesthesia Monitoring

The latest respiratory gas and brain activity monitoring technology for the most reliable performance during surgery.

Respiratory Monitoring

Industry-leading CO2 & RM monitoring technology provides the most flexible and accurate solutions for both the intubated and non-intubated patients.

Cardiac Monitoring

Mediblu’s ECG algorithm, together with ICG technology allows for flexible and reliable measurements even for extreme cardiac cases.

Emergency Cases

The modular design and the expanded parameter configurations extend possibilities in ICU/ER monitoring on a case-to-case basis.

blu15+ *Multi-Parameter Patient Monitor*

Performance and Technical Specifications

General
» Size:: 335mm*366mm*172mm
» Weight ≤ 6kg
» Display 15" Color TFT- Resolution 1024X 768 pixels
» Intelligent audio, three level, and Visual, Red Led, comprehensive alarm

Environment
» Working temperature: 0-+40°C Storage temperature: -20-+50 °C
» Safety IEC60601 Approved

Power Requirement
» Power Voltage AC 100-240V 50/60Hz; DC 12V (Optional)
» Power Rate 80VA
» Operating time under normal use ≥ 3 Hours Charge time 6 Hours

Thermal Printer (Optional)
» Method: Thermal dot array with 3 tracks
» Paper width: 50 mm with Paper Speed of 12.5/25/50 (mm/sec)

System output
» Ethernet Network standard RJ45 socket; Defibrillation Out. BNC connector
» USB 2 sockets; Video Output 1VGA (Option); Nurse call 1 Rj11 connector

Data Storage & Review
» Trend: Land trend: 168h,min.resolution is 1min (store when power goes off)
» NIBP measurement reviewing: 1000 groups
» ARR event: 128 groups of ARR event and the associated waveform.
» Alarm events:128 groups of parameter alarm events and associated parameter waveform at the alarm moment
» Full Disclosure waveform: 96 hours for 3 waveforms{with 4G SD card)

ECG
» Mode: 3/5/12-leads
» Lead selection: I, II, III, aVR, aVL, aVF, V1-V6 (option)
» Gain selection: AUTO, 0.25x, 0.50x, 1.0x, 2.0x, 4.0x
» Sweep speed: 6,25mm/s,12,5mm/s,25mm/s,50mm/s
» Heart Rate:15-300 bpm –HR accuracy: ± 1 %
» ST segment deviation analysis: -0.8-+0.8mV
» ST accuracy: ±0.02mv

NIBP (Non-invasive blood pressure)
» Method: Automatic Oscillometry
» Displayed parameters: Systolic, Diastolic and mean arterial pressure
» Measurement type : adult, paediatric, neonatal
» Operation Modes; Manual, Auto and Continuous
» Measurement range:
» Systolic 4.0 - 36.0 kPa
» Diastolic 1.3 - 33.0 kPa
» Mean 2.6 - 35.0 kPa
» Accuracy : ± 0.4 kPa or 5 % Resolution: 0.1 kPa
» Protection: Hardware and SW overpressure protection

SpO2, Masimo SpO2 (Optional)
» Display type: waveform data
» Measurement range (0 to 100) %
» Measurement precision: (70 to 100) %: ±2 %
» SpO2 resolution 1%

Temperature (Rectal & Surface)
» Method: Thermal resistance
» Number of channels: 6
» Displayed parameters: T1, T2 and □T
» Measurement range: 0,0°C to 50.0°C, Resolution: ±0.1 °C

ETCO2 Sidstream, Mainstream, ETCO2 Microstream (Optional)»
Measure method: infrared spectrum
» Warm up lime: Capnogram displayed in less than 15 seconds
» Measurement Range: 0 - 19.7%(0-150mmHg)
» Resolution: 1 mmHg, Unit: %, mmHg, kPa
» C02 Accuracy: 0–40mmHg,±2%,101-150 mmHg, ± 10%

IBP (Invasive blood pressure)
» Method: Directly invasive pressure measurement
» Number of channels: 6
» Pressure readings: Systolic pressure, diastolic pressure and mean pressure
» Pressure labels: ART, PA, LAP, RAP, RAP, CVP, ICP, P1/P2
» Measurement range:(-10 to 350) mmHg
» Dynamic Accuracy: ± 4mmHg or 4%, whichever is greater

Cardiac Output
» Method: Thermal dilution
» Measurement parameters: C.O., TB, TI, C.I.
» Measurement Range: C.O. 0.1– 20 L/min
» TB: 23.0 - 43.0'C,TI: -1 0 - 27.0"C, Resolution:C.O.: 0.1 L/min
» TB Alarm range: 23.0-43.o·c , high/low limit can be adjusted continuously

Anesthesia Gas Analysis (Optional))
» Measure method: Infrared spectrum
» Measure mode: Mainstream or Sidestream
» Fi and Et values: C02 N20 02 AG (HAL, ISO, ENF, SEV, DES)
» Resolution: 1 %- Unit:%.
» Calibration: Auto Room air calibration when changing airway adapter (<5 sec)
» Warm-up time: <10 s, full accuracy within 1 min
» awRR measurement range: 0-150 rpm, Accuracy : ± 1 rpm

RESP
» Method: Thoracic impedance
» Lead Selected from: 1 (RA-LA) or II (RA-LL); Default: 1
» Gain: x0.25, x1 x2 x4,-Bandwidth: 0.25 Hz ta 2.0Hz (-3dB)
» Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s
» Measurement Range: 0-150 rpm,- Resolution : 1 rpm
» Delay of Apnea Alarm: 10s, 15s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

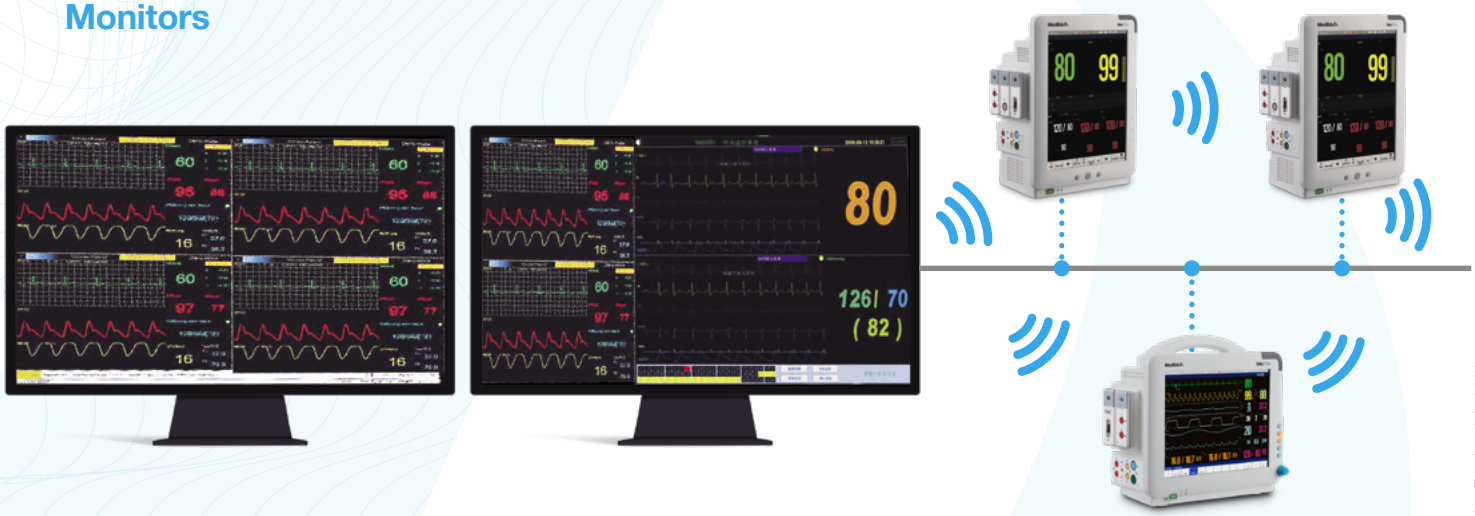
Standard configuration:
» 15" Touch screen display, 3 Standard module slot, 3/5 Lead ECG, HR, RESP, NIBP, SpO2, PR,2-TEMP,1 RJ45 Ethernet socket, , 1 VGA port, 2 USB1 .1 Lithium rechargeable battery.

Optional Modules:
» Sidestream C02, Microstream CO2, Mainstream C02, AG , CO IBP , 2°Temp, Masimo Sp02 , Nellcor SpO2.

Optional Accessories
» Printing: 3 channel thermal recorder, Mounting Rolling stand , wall mount, Battery: 11 .1V/4.0AH Rechargeable Lithium Battery.
» Other options: External Display, Wireless Lan. Extensive Memory card, Analog Output (ECG or IBP)

The Central Monitor Blu6000 offers

Wireless networking and WAN communication to multiple Patient-Monitors



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