



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

Advanced design, portable, compact and lightweight. Simple, intuitive and ergonomic approach in use:

- » 12.1" Touch Screen (optional) colour LCD screen with 8-waveform display.
- » Flat Display with adjustable lightness and volume to improve simultaneous display of multi-channel real time waveform & trend diagram.
- » Battery: Rechargeable high-energy built-in battery.
- » Operating menu with multi-language interface selection.
- » User friendly menu structure design, touch screen and rotary dial.
- » Special protections against the ESU interference & defibrillation, no need to disconnect the monitor from the patient during defibrillation.
- » Three-application modes: monitoring, diagnosis, operating.
- » 72 hours data storage.
- » Intelligent audio-visual comprehensive alarm.

Suitable for adult, pediatrics, neonates



Anesthesia Monitoring

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



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 on even the 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.

Performance and Technical Specifications

General

- » Size: 320mm*160mm*270mm
- » Weight 3.5kg
- » Display 12.1" Touch Flat Screen Color TFT- Resolution 800 X 600 pixels
- » Maximum 8-waveform display
- » Intelligent audio, three levels, and Visual, Red Led, comprehensive alarm

Environment

- » Working temperature: 0-+40°C
- » Transportation and storage temperature: -20-+55 °C

Power Requirement

- » Power Voltage AC 100-240V 50/60Hz; DC 12V (Optional)
- » Power Rate 80VA
- » Battery backup ≥ 1Hour / 3 Hours as option; Charge time 6 hours

Thermal Printer (Option)

- » 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
- » RF Wireless LAN: 433MHz, 10mW (option)
- » VGA monitor connector

Store & Reviewing

- » 23-type arrhythmia analysis
- » 72 hours data storage

ECG

- » Mode: 3/5-leads (standard); 12-leads (option)
- » 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)

- » Displayed parameters: Systolic, Diastolic and mean arterial pressure
- » Measurement type: adult, pediatric, neonatal
- » Mode of operations; 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: over pressure

Accessories for Standard configuration:

- » Set of ECG Cable, 1 set ECG Electrode
- » 1 set of NIBP hose, 1 set of NIBP adult cuff, 1 set of RESP nasal cavity pipe
- » 1 set of TEMP surface probe, 1 set of integrated adult SpO2 sensor,
- » 1 set of power supply cable

SpO2 Specifications

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

Temperature (Rectal & Surface)

- » Number of channels 2
- » Displayed parameters T1, T2 and □□
- » Measurement range (25.0 to 45.0°C)
- » Measurement precision ±0.2 °C

Respiration Rate (impedance and nasal cavity)

- » Measurement range: 0 - 120 BPM
- » Accuracy: ± 1 BPM or 5 %
- » Resolution: 1 BPM

ETCO2 Plug & Play (option, Mainstream)

- » Range: 0-19.7 o/o(0-150 mmHg)
- » Unit: o/o, mmHg, kPa
- » Respiration Rate Range: 0-150 bpm

IBP (Invasive blood pressure) (Option)

- » Number of channels: 2
- » Pressure readings: Systolic pressure, diastolic pressure and mean pressure
- » Pressure labels: ART, CVP, RVP, LAP, RAP, PAP, ICP and LVP
- » Measurement range: (-10 to 300) mmHg
- » Measurement precision: ±0.133 kPa (1 mmHg) or ±2 %, whichever is greater

Cardiac Output (Option)

- » Measurement Range: CO 2-20,0L/min, TB 23,0-43,0°C, T1 0,0-27°C
- » Accuracy : C.O. ± 0,2L/min, TB ± 0,2°C, T1 ± 0,2°C
- » Resolution: C.O 0,1L/min, TB ± 0,1°C, T1 ± 0,1°C

Anesthesia gas analysis (Option)

- » Method : Infrared Absorption
- » Gas Sorts: CO2,N2O,Des,Iso,EnfSev, Hal and Optional O2
- » Measurement: CO2 0-10%, N2O 0-100%, O2 5-100%, Hal: 0-8,5%, Iso:0-8,5%, Enf0-10%, Sev 0-10%, Des 0-20%
- » RR(registration Rate): 0-100bpm
- » Data Input : Fi and Et value agent mixture detection

Defibrillation Synchronization (Option)

- » The Farthest delay time: 35ms (R crest to pulse rising)
- » AMP: High level 3.5-5V, the max provide 1mA output electricity
- » Low Level: < 0,5, the max receive 5ma output electricity
- » Pulse with: 100 ±10%
- » Output impedance: rating 50Ω

Standard configuration:

- » ECG+NIBP+SpO2 +TEMP+RESP +HR/PR +Battery

Optional Configuration

- » Touch Screen, T12 Leads ECG Suntech NIBP EtcO2 Defibrillation Synchronization, Thermal Printer, Nellcor SpO2, Masimo SpO2, 2-IBP, Anesthesia Gas Analysis, Cardiac Output

Optional Accessories

- » Wireless networking function to patient monitor
- » Wall Mount for patient monitor
- » Trolley for patient monitor

The Central Monitor Blu2800 offers
Wireless networking and WAN
communication to multiple Patient-Monitors

