



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 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:

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

### Optional Configuration

- » » 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