

Patient Monitor

BT-700

BT-700 is High-quality color LCD patient monitor, and various display mode is available.

Especially, saved data can be displayed on the color LCD.

- Suitable design for adult, pediatric and neonatal patients
- Easy to operate a knob
- Bright and clear TFT color LCD display
- Various display mode (Graphic, Numeric, SpO₂ / PR Trend)
- Data saving up to 72 hours in the internal memory
- Support firmware upgrade by USB interface
- Apply nurse call state
- Adjustable audible and visual alarms
- Removable and rechargeable NIMH battery
- Model

SpO₂ only

NIBP only

SpO₂ + NIBP + Temp



BT-700

Mechanical and Electrical Specifications

Dimension	• 250(W) x 114(L) x 90(H) (Unit : mm)	
Weight	• 2,5 kg Under (Include battery)	
Display	• 320 x 240 TFT color LCD • Screen dimension 64,8(W) x 48,6(H) (Unit : mm)	
Communication	• PC communication with RS-232 (with Nurse call state)	
Firmware upgrade	• Connect PC to USB port	
Power	• Medical adaptor • Output : DC 9 V / 1.5 A	• Input : AC100 - 240 V(50/60 Hz)
Battery operating time	• SpO2 Only : Min 7 hours depending on use • NIBP Only : Min 4,5 hours depending on use • SpO2 + NIBP + Temp. : Min 3 hours depending on use	
Battery recharge time	• 90% 8 hours.	
Memory	• 50 people or 72 hours SpO2 data can be stored	

* Simultaneously operates monitor and charges battery when AC power adapter in plugged in

Performance Specifications

Noninvasive Blood Pressure (NIBP)

Technique	• Oscillometric Measurement	
Measurement modes	• AUTO, MANUAL and STAT	
AUTO mode	• Automatic NIBP measurements at interval of 1, 2, 3, 4, 5, 10, 15, 30, 45, 60, 90, 120 and 240 minutes	
MANUAL mode	• Single measurement initiated by NIBP Start/Stop button	
STAT mode	• Series of consecutive measurements for 5 minutes	
NIBP measurement range		
Systolic pressure range	• Adult /Pediatric : 30 mmHg to 250 mmHg	• Neonate : 20 mmHg to 120 mmHg
Diastolic pressure range	• Adult /Pediatric : 20 mmHg to 210 mmHg	• Neonate : 10 mmHg to 100 mmHg
Mean pressure range	• Adult /Pediatric : 20 mmHg to 235 mmHg	• Neonate : 10 mmHg to 110 mmHg
Pressure display accuracy	• Meets ANSI/AAMI SP 10:2002 + A1 : 2003	
Cuff pressure range	• 0 to 300 mmHg (0 to 40kPa)	
Overpressure protector	• Adult /Pediatric : 300 mmHg ~ 330 mmHg	• Neonate : 150 mmHg ~ 165 mmHg
Pulse rate range	• Adult/Pediatric : 40 bpm to 220 bpm	• Neonate : 40 bpm to 240 bpm
Pulse rate accuracy	• ± 2 bpm or $\pm 2\%$, whichever is greater	

Pulse Oximetry(SpO₂)

Measurement range	• SpO ₂ : 0 to 100%	• Pulse rate : 30 to 250 bpm
Saturation without motion	• Adults/Pediatric : 70 to 100% ± 2 digits	• Neonate : 70 to 100% ± 3 digits
Saturation with motion	• Adults/Pediatric, Neonate : 70 to 100% ± 3 digits	
Low perfusion	• 70 to 100% ± 2 digits, 0 to 69% unspecified	
Pulse rate	• Without motion : 30 to 250 bpm ± 3 digits • With motion : normal physiologic range 55 to 125 bpm ± 5 digits • Low perfusion : 20 to 250 bpm ± 3 digits	

Temperature

Measurement range	• 30°C ~ 45°C
Accuracy	• $\pm 0.1^\circ\text{C}$