

# UP-7000

## Multi-parameter Patient Monitor



CE 1011

*Your health, our concern!*

### Features:

- \* 12.1" high resolution color TFT display, 5-channel waveform display
- \* Standard parameters: ECG, RESP, SpO<sub>2</sub>, NIBP, 2-TEMP, PR; **Optional:** IBP&EtCO<sub>2</sub>
- \* Arrhythmia analysis and ST segment analysis
- \* Up to 800 groups parameter data & 24-hour ECG waveform storage and recall
- \* 480-hour graphic and tabular trends for all parameters
- \* 7-channel ECG waveforms display simultaneously
- \* Protection against interference from defibrillator, electrosurgical knife
- \* Adult / Pediatric / Neonatal measurement modes
- \* Visual and audible alarms; Networking capability
- \* Built-in rechargeable battery; Optional built-in thermal printer

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### Technical Specifications

#### NIBP Monitoring

Measuring method	Automatic measurement by intelligent oscillating method.
Cuff inflation time	<30 seconds (typical adult cuff)
Initial cuff inflation pressure	Adult and infant mode: 180mmHg Neonate mode: 120mmHg
Overpressure protection limit	Adult and infant mode: 300 mmHg Neonate mode: 140 mmHg
Measuring range	<b>Systolic pressure:</b> Adult and infant: 25mmHg~265mmHg Neonate: 25mmHg~135mmHg <b>Diastolic pressure:</b> Adult and infant: 12mmHg~220mmHg Neonate: 12mmHg~110mmHg <b>Mean arterial pressure:</b> Adult and infant: 18mmHg~245mmHg Neonate: 18mmHg~120 mmHg
Measurement accuracy	Systolic $\pm 10\%$ Diastolic $\pm 10\%$ MAP $\pm 10\%$
Measurement mode	Manual, Auto, STAT
Automatic measuring intervals	1~240min interval tolerance: <10s

#### TEMP Monitoring

Measuring range	15.0°C~45.0°C
Measuring accuracy	$\pm 0.2^\circ\text{C}$

#### SpO<sub>2</sub> & Pulse Rate Monitoring

Transducer	dual-wave length LED
SpO <sub>2</sub> measuring range	35%~100%
Low perfusion capability	0.4%~5%
SpO <sub>2</sub> display accuracy	90%~99% $\pm 2\%$ 70%~89% $\pm 4\%$ 40%~69% $\pm 6\%$
PR measuring range	30bpm~250bpm
PR measuring accuracy	$\pm 2\text{bpm}$

#### ECG Monitoring

Heart rate measurement	$\pm 0.4\text{mVp} \sim \pm 3\text{mVp}$
Heart rate display range	20bpm~250bpm
Display accuracy	$\pm 1\%$ or $\pm 2\text{bpm}$ , whichever is greater
Heart rate alarm delay time	$\leq 12\text{s}$
Sensitivity selection	Auto, $\times 1/2$ , $\times 1$ , $\times 2$ , $\times 4$ tolerance: $\leq 5\%$
Sweeping speed	12.5mm/s, 25mm/s, 50mm/s tolerance: $\leq 10\%$
ECG noise level	$\leq 30\mu\text{VP-P}$
ECG input loop current	$\leq 0.1\mu\text{A}$
Input impedance	$\geq 5\text{M}\Omega$
Common-mode rejection ratio	$\geq 80\text{dB}$
Time constant	Monitoring mode $\geq 0.3\text{s}$ Diagnostic mode $\geq 3.2\text{s}$
Frequency response	Monitoring mode: 0.5Hz~25Hz Diagnostic modes: 0.05Hz~75Hz

#### RESP Monitoring

Monitoring range	0rpm~120rpm
Monitoring accuracy	$\pm 10\%$
RESP alarm range	0bpm~100bpm Alarm tolerance: $\pm 10\%$

#### Other Technical Specifications

Power supply	100~250Vac, 50/60Hz
Power consumption	<80 VA
Display mode	12.1 inches TFT color LCD
Alarming mode	Audible-visual alarm
Networking port	Ethernet port

#### Standard Configuration

ECG, RESP, SpO<sub>2</sub>, NIBP, 2-TEMP, PR

#### Optional Configuration

IBP, EtCO<sub>2</sub> and Built-in printer

Note: Specifications subject to change without prior notice.



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