



# UP-7000

Multi-parameter Patient Monitor

## NIBP

Technique	Oscillometric	
Typical measuring time	<30 seconds (typical adult cuff)	
Initial cuff inflation pressure	Adult	<175mmHg
	Pediatric	<135mmHg
	Neonate	<65mmHg
Overpressure protection limit	Adult	300mmHg
	Pediatric	240mmHg
	Neonate	150mmHg
Measuring range		
Systolic pressure	Adult	40mmHg~275mmHg
	Pediatric	40mmHg~200mmHg
	Neonate	40mmHg~135mmHg
Diastolic pressure	Adult	10mmHg~210mmHg
	Pediatric	10mmHg~150mmHg
	Neonate	10mmHg~95mmHg
Mean arterial pressure	Adult	20mmHg~230mmHg
	Pediatric	20mmHg~165mmHg
	Neonate	20mmHg~110mmHg
Measurement accuracy	Maximum mean difference: $\pm 5$ mmHg Maximum standard deviation: 8 mmHg	
Measurement mode	Manual, Auto, STAT	
Automatic measuring intervals	1~480min	

## TEMP

Measuring range	21.0°C~50.0°C
Measuring accuracy	$\pm 0.2^\circ\text{C}$ for range from 25.0°C~45.0°C

## SpO<sub>2</sub>

Transducer	Dual-wave length LED
SpO <sub>2</sub> measuring range	0%~100%
SpO <sub>2</sub> measuring accuracy	2% for range from 70% to 100%
Low perfusion performance	As low as 0.4%
PR measuring range	0bpm~250bpm
PR measuring accuracy	$\pm 2$ bpm or $\pm 2\%$ , whichever is greater

## ECG

Input dynamic range	$\pm 0.5\text{mVp} \sim \pm 5\text{mVp}$
HR measuring range	15bpm~350bpm
HR measuring accuracy	$\pm 1\%$ or $\pm 2$ bpm, whichever is greater
HR alarm delay time	$\leq 10$ s
Sensitivity selection	$\times 1/4, \times 1/2, \times 1, \times 2, \times 4$ and Auto
Sweeping speed	6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
ECG noise level	$\leq 30\mu\text{Vp-p}$
ECG input loop current	$\leq 0.1\mu\text{A}$
Differential input impedance	$\geq 10\text{Mohm}$
Common-mode rejection ratio (CMRR)	$\geq 105\text{dB}$ (Monitoring mode)
	$\geq 89\text{dB}$ (Diagnostic mode)
Time constant	$\geq 0.3$ s (Monitoring mode)
	$\geq 3.2$ s (Diagnostic mode)

## RESP

RR measuring range	0rpm~120rpm
RR measuring accuracy	$\pm 5\%$ or $\pm 2$ rpm, whichever is greater

## Others

Power supply	100~240Vac, 50/60Hz
Built-in battery	4400mAh Lithium battery
Display	12.1 inch TFT display
Alarming mode	Audible-visual alarm
Networking port	Ethernet port

## Standard Configuration

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

## Option

2-IBP, EtCO<sub>2</sub>, Nellcor SpO<sub>2</sub>, SunTech NIBP, Cardiac Output, Built-in printer, Cerebral State Monitoring, Central monitoring system, Touch screen

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FDA510(k)



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## FEATURES



- 12.1" high resolution TFT display with LED backlight
- Arrhythmia analysis and S-T segment measurement
- Protection against defibrillator discharge
- Adult/Pediatric/Neonate measurement modes
- Visual and audible alarms; Networking capability
- Up to 9 waveforms simultaneously display
- 72-hour ECG waveform data storage and recall
- 2000-hour data trends with graphic and tabular view
- 2000 groups event, ARR and SpO2 storage
- Built-in lithium battery; Touch screen optional

## PRODUCT ACCESSORIES



Skin temperature

NIBP cuff

ECG leadwire

SpO<sub>2</sub> sensor



Dual IBP with EtCO<sub>2</sub>



Dual IBP with cardiac output



Cerebral state monitoring



9 waveform display