

PC-5000

CE 1011

Your health, our concern!

Multi-parameter Patient Monitor



PC-5000A

for neonate & pediatric

PC-5000B

for adult monitoring



Features:

- * 10.4" color TFT, 5-channel waveform display
- * Standard parameters: ECG, RESP, SpO₂, NIBP, TEMP, PR
- * Arrhythmia analysis and ST segment analysis
- * Up to 400 groups parameter data storage and recall
- * 96-hour graphic and tabular trends for all parameters
- * 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	Oscillometric Technique
Cuff inflation time	<10 seconds (typical adult cuff)
Initial cuff inflation pressure	Adult mode: <180mmHg Infant mode: <120mmHg Neonate mode: <90mmHg
Overpressure protection limit	Adult and mode: 300 mmHg Infant mode : 240mmHg Neonate mode: 150 mmHg
Measuring range	Systolic pressure: Adult: 40mmHg~255mmHg Infant: 40mmHg~200mmHg Neonate: 40mmHg~135mmHg Diastolic pressure: Adult: 20mmHg~215mmHg Infant: 20mmHg~165mmHg Neonate: 20mmHg~110mmHg Mean arterial pressure: Adult: 10mmHg~195mmHg Infant: 10mmHg~150mmHg Neonate: 10mmHg~95mmHg
NIBP accuracy	Maximum mean error: ± 5 mmHg Maximum Standard deviation: 8 mmHg
Measurement mode	Manual, Auto, STAT

TEMP Monitoring

Measuring range	25.0°C~45.0°C
Measuring accuracy	± 0.2 °C
Responding time	≤ 150 s

RESP Monitoring

Monitoring range	0rpm~120rpm
Monitoring accuracy	$\pm 5\%$ or ± 2 rpm, whichever is greater
RESP alarm range	0bpm~100bpm Alarm tolerance: $\pm 5\%$ or ± 2 rpm, whichever is greater

ECG Monitoring

Heart rate measurement	± 0.4 mVp~ ± 5 mVp
Heart rate display range	20bpm~300bpm
Display accuracy	$\pm 1\%$ or ± 2 bpm, whichever is greater
HR alarm delay time	≤ 10 s
Sensitivity selection	$\times 1/2$, 5mm/mV tolerance: $\pm 5\%$ $\times 1$, 10mm/mV tolerance: $\pm 5\%$ $\times 2$, 20mm/mv tolerance: $\pm 5\%$
Sweeping speed	12.5mm/s, 25mm/s, 50mm/s tolerance: $\leq 10\%$
ECG noise level	≤ 30 μ VP-P
ECG input loop current	≤ 0.1 μ A
Input impedance	≥ 5 M Ω
Common-mode rejection ratio	≥ 89 dB
Time constant	Monitoring mode ≥ 0.3 s Diagnostic mode ≥ 3.2 s
Frequency response	Monitoring mode: 0.5Hz~40Hz Diagnostic modes: 0.05Hz~75Hz

SpO₂ & Pulse Rate Monitoring

Transducer	dual-wave length LED
SpO ₂ measuring range	35%~100%
Low perfusion capability	0.4%~5%
SpO ₂ display accuracy	50%~100% 3%
PR measuring range	30bpm~240bpm
PR measuring accuracy	± 2 bpm or $\pm 2\%$, whichever is greater.

Other Technical Specifications

Power supply	100~250Vac, 50/60Hz
Power consumption	See the nameplate on the monitor
Display mode	10.4 inches TFT color LCD
Alarming mode	Audible-visual alarm
Networking por	Ethernet port

Standard Configuration

ECG, RESP, SpO₂, NIBP, 2-TEMP, PR

Note: Specifications subject to change without prior notice.



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