



# Kairos 5000N Patient Monitor

## 5000N Patient Monitor

### Features

- 12.1" color TFT LCD screen, resolution: 800\*600
- 5 kinds of interfaces: Standard/Big font/6-lead ECG/Trend graph/OxyCRG
- Maximum 8-channel waveforms display, the waveform color can be defined by user (7 colors)
- 96-hour storage and review of trend graphic gram and table, 400 groups NIBP data, 1800 alarm events

- ST and arrhythmia analysis, pacemaker analysis, drug dose calculation
- Anti - defibrillation design
- NIBP over pressure protection
- Plug - in rechargeable battery, AC/DC available
- Support wire or wireless network

### Technical Specification

#### ECG

Lead Mode: 5 Leads (R, L, F, N, C or RA, LA, LL, RL, V)  
 Lead selection: I, II, III, avR, avL, avF, V  
 Waveform: 2 ch  
 Lead mode: 3 Leads (R, L, F or RA, LA, LL)  
 Lead selection: I, II, III,  
 Wave form: 1 ch  
 Gain: 2.5mm/mV, 5.0mm/mV,  
 10mm/mV, 20mm/mV, auto  
 HR and Alarm Range: Adult 15 ~ 300 bpm  
 Neo/Ped 15 ~ 350 bpm  
 Accuracy:  $\pm 1\%$  or  $\pm 1$ bpm, which is greater  
 Resolution: 1 bpm  
 Sensitivity: > 200 ( $\mu$ Vp-p)  
 Differential Input Impedance: > 5 M $\Omega$

CMRR: Monitor > 105 dB  
 Operation > 105 dB  
 Diagnosis > 85 dB

Electrode offset potential:  $\pm 300$ mV  
 Leakage Current: < 10  $\mu$ A  
 Baseline Recovery: < 3 S After Defi.  
 ECG Signal Range:  $\pm 8$  mV ( Vp-p )  
 Bandwidth:

Surgery: 1 ~ 20 Hz  
 Monitor: 0.5 ~ 40 Hz  
 Diagnostic: 0.05 ~ 130 Hz

Calibration Signal: 1 (mVp-p), Accuracy: 5%  
 ST Segment Monitoring Range  
 Measure and Alarm -2.0 ~ +2.0 mV  
 ARR Detecting:  
 Type: ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY,  
 TRIGEMINY, R ON T, VT>2, BRADY, MISSED BEATS, PNP,  
 PNC, Alarm Available, Review Available

#### RESP

Method: Impedance between R-F(RA-LL)  
 Differential Input Impedance: > 2.5 M $\Omega$   
 Measuring Impedance Range: 0.3~3  $\Omega$   
 Base line Impedance Range: 200~4 K $\Omega$   
 Bandwidth: 0.1~2.5Hz

#### Resp. Rate:

Measuring and Alarm Range  
 Adult 0 ~ 120 Brpm  
 Neo/Ped 0 ~ 150 Brpm  
 Resolution 1 Brpm  
 Accuracy  $\pm 2$  Brpm  
 Apnea Alarm: 10 ~ 40 S

#### NIBP

Method: Oscillometric  
 Mode: Manual, Auto, STAT  
 Measuring Interval in AUTO Mode:  
 1, 2, 3, 4, 5, 10, 15, 30, 60, 90, 120, 180, 240, 480 (Min)  
 Measuring Period in STAT Mode: 5 Min  
 Pulse Rate Range: 40 ~ 240 bpm  
 Alarm Type: SYS, DIA, MEAN  
 Measuring and alarm range:  
 Adult Mode

SYS: 40 ~ 270 mmHg  
 DIA: 10 ~ 215 mmHg  
 MEAN: 20 ~ 235 mmHg

Pediatric Mode  
 SYS: 40 ~ 200 mmHg  
 DIA: 10 ~ 150 mmHg  
 MEAN: 20 ~ 165 mmHg

Neonatal Mode  
 SYS: 40 ~ 135 mmHg  
 DIA: 10 ~ 100 mmHg  
 MEAN: 20 ~ 110 mmHg

Resolution: 1 mmHg  
 Accuracy: Maximum Mean error  $\pm 5$ mmHg  
 Maximum Standard deviation  $\pm 8$ mmHg

#### Overpressure Protection

Adult Mode: 297 $\pm 3$  mmHg  
 Pediatric Mode: 240 $\pm 3$  mmHg  
 Neonatal Mode: 147 $\pm 3$  mmHg

#### SpO<sub>2</sub>

Measuring Range: 0 ~ 100 %  
 Alarm Range: 0 ~ 100 %  
 Resolution: 1 %  
 Accuracy: 70% ~ 100% 2 %  
 0% ~ 69% unspecified

Actualization interval about: 1 Sec.

Alarm Delay: 10 Sec.

#### Pulse Rate:

Measuring and Alarm Range 20~300 bpm  
 Resolution: 1bpm  
 Accuracy:  $\pm 3$ bpm

#### TEMP

Channel: 2  
 Measuring and Alarm Range: 0 ~ 50 °C  
 Resolution: 0.1 °C  
 Accuracy:  $\pm 0.2$  °C  
 Actualization interval about: 1 Sec.  
 Average Time Constant: < 10 Sec.

#### IBP

Label: ART, PA, CVP, RAP, LAP, ICP, P1, P2  
 Measuring and alarm range:  
 ART 0 ~ 300 mmHg  
 PA-6 ~ 120 mmHg  
 CVP/RAP/LAP/ICP-10 ~ 40 mmHg  
 P1 / P2-10 ~ 300 mmHg

#### Press Sensor:

Sensitivity: 5  $\mu$ V/V/mmHg  
 Impedance: 300-3000 $\Omega$

Resolution: 1 mmHg  
 Accuracy:  $\pm 2\%$  or 1mmHg which is greater  
 Actualization interval: about 1 secretary

**Standard:** 3/5-Lead ECG, RESP, SpO<sub>2</sub>, NIBP, PR, TEMP

**Optional:** Nellcor SpO<sub>2</sub>, Mainstream/Sidestream EtCO<sub>2</sub>,  
 1/2 channel IBP, Touch screen, Thermal Recorder,  
 Wall mount, Trolley, Central station