



# Kairos 5000T Patient Monitor (Touch Screen)

## 5000T Patient Monitor

### Features

- 12.1" color TFT LCD touch 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,  
Waveform: 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: 1mmHg  
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, Thermal Recorder, Wall mount, Trolley,  
Central station