



Kairos 800S

8 inch Patient Monitor

800S

Patient Monitor

Features

- 8" color TFT LCD screen, resolution 800*600
- Waterproof design, resistance to dropping (1 meter)
- Low power consumption, fanless structure which creates no noise
- Support external 13-20V DC power, continuously working for 5.5 hours above on battery backup, full charge with 2.5 hours, suitable for Ambulance, Emergency Transport

- Display mode: Big font, trends review, 7 leads ECG waveform on same screen, and etc
- 15 kinds of arrhythmia analysis, 15 kinds of drug concentration analysis
- Anti-electrosurgical unit (300W), anti-defibrillation (360J), suitable for Operating Room, General Ward
- Digital SpO2 technology, excellent anti-interference performance, low perfusion (0.1%)

Technical Specification

ECG

Lead: Standard 3/5 lead
 Lead Mode: 5 Leads (RA, LA, LL, RL, V)
 Lead Selection: I, II, III, avR, avL, avF, V
 Lead Mode: 3 Leads (RA, LA, LL)
 Lead Selection: I, II, III,
 Gain: 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV

HR and Alarm Range:

Adult: 15 ~ 300 bpm
 Ped/Neo: 15 ~ 350 bpm

Accuracy: $\pm 1\%$ or ± 1 bpm, which is greater
 Resolution: 1 bpm

Sensitivity: > 200 (uVp-p)

Differential Input Impedance: > 5 M Ω

Bandwidth:

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

CMRR:

Monitor > 100 dB
 Operation > 100 dB
 Diagnosis > 90 dB

Electrode Offset Potential: ± 300 mV

Range: ± 2 mV ~ ± 700 mV

Width: 0.1 ms ~ 2 ms

Rise time: 10 μ s ~ 100 μ s

ST Segment Monitoring Range:

Measurement Range: -2.0 ~ +2.0 mV
 Measurement Accuracy: -0.8 ~ +0.8 mV
 Measurement Error: ± 0.02 mV or $\pm 10\%$

RESP

Method: Impedance Between RA-LL or RA-LA

Measuring Impedance Range: 0.3~3 Ω

Base line Impedance Range: 200~4 K Ω

Bandwidth: 0.1~2.5Hz

Resp. Rate:

Measuring and Alarm Range:

Adult: 2 ~ 120 BrPM
 Neo/Ped: 2 ~ 150 BrPM
 Resolution: 1 BrPM
 Accuracy: ± 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

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

Static Pressure Range: 0 ~ 300 mmHg

Static Pressure Accuracy: ± 3 mmHg

Accuracy: Maximum Average Error ± 5 mmHg

Maximum Standard Deviation ± 8 mmHg

Overpressure Protection:

Adult Mode: 300 mmHg
 Pediatric Mode: 240 mmHg
 Neonatal Mode: 150 mmHg

SpO2

Measuring Range: 0 ~ 100 %

Resolution: 1 %

Accuracy: 70% ~ 100% ± 2 %

0% ~ 69% unspecified

Pulse Rate:

Measuring Range: 20~300 bpm

Resolution: 1bpm

Accuracy: ± 3 bpm

TEMP

Applicable Temperature Sensor: YSI, CYF

Channel: 1

Measuring Range: 0 ~ 50 $^{\circ}$ C

Resolution: ± 0.1 $^{\circ}$ C

Accuracy: ± 0.1 $^{\circ}$ C (Do not including sensor error)

Dimension: 210*80*175mm (L*W*H)

Weight: 1.35kg

Standard: 3/5-Lead ECG, RESP, SpO2, NIBP, PR, 1-TEMP

Optional: Mainstream/Sidestream EtCO2, Touch screen