



YK-8000C

Multi-parameter Patient Monitor
Monitor ECG, SpO₂, NIBP, RESP, TEMP, PR and HR.



TECHNICAL SPECIFICATIONS

Quality Standards and Classification

CE, ISO13485
SFDA: Class II b
Anti-electroshock degree:
Class I equipment
(internal power supply)
TEMP/SpO₂ /NIBP: BF
ECG/Resp: CF

Application Range

Adult/Pediatric/Neonatal/Medicine/Surgery/
Operating Room/ICU/CCU

Display

12.1" real color TFT screen

Environment

Operating environment :
Temperature: 0 ~ 40 °C
Humidity: 15% ~ 80%
Pressure: 86.0 kPa ~ 106.0kPa
Transport and Storage environment :
Temperature: -20 ~ 55 °C
Humidity: 10% ~ 90%
Pressure: 86.0 kPa ~ 106.0kPa

Power Requirements

AC: 100 ~ 240V, 50Hz/60Hz
DC: Built-in rechargeable battery
Battery: 11.1V 24wh Li-ion battery
2h operating after full charge
5min operating after low battery alarm

Dimension and Weight

Equipment:
340mm × 245mm × 134 mm(about);
2.798kg(about)
Package:
380mm × 350 mm × 300mm; 4.598 kg(about)

Date Storage

Trend diagram/table: 7x24h
NIBP review: 400 events
Wave review: 100min
Alarm review: 100 alarm events
Support drug concentration titration analysis

ECG

5 Leads: RA, LA, LL, RL, V
Lead mode: I, II, III, AVR, AVL, AVF, V
Gain: × 1.25mm/mV, 2.5mm/mV,
5.0mm/mV, 10mm/mV,
20mm/mV (error ≤ 5%)
Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s,
50mm/s (error ± 10%)
Bandwidth: Surgery 1 ~ 25 Hz
Monitor 0.5 ~ 40 Hz
Diagnostic 0.05 ~ 130 Hz
Sensitivity: >200 μ V P-P
CMRR: ≥ 112dB
Differential Input Impedance: >5M
ohm Electrode Offset Potential: ±300mV
Polarization Voltage: ≥ ± 500mV
Input Impedance: ≥ 5 M
Calibration Voltage: 1mV ± 5%

ST Segment

ST Segment Range: -2.0mV ~ +2.0mV
Accuracy: 0.02mV

NIBP

Method: Oscillometry
Measure mode: Manual, Auto, STAT
Measure interval in auto mode:
1~5/10/15/30/60/90/120/180/240/480min
Measure period in STAT mode: 5min
Pulse rate range: 40 ~ 240bpm
Measure & alarm range: Adult
SYS 40 ~ 280mmHg
DIA 10 ~ 220mmHg
MEAN 20 ~ 240mmHg
Pediatric
SYS 40 ~ 220mmHg
DIA 10 ~ 160mmHg
MEAN 20 ~ 170mmHg
Neonatal
SYS 40 ~ 135mmHg
DIA 10 ~ 100mmHg
MEAN 20 ~ 110mmHg

Static pressure measurement
Range: 0 ~ 300mmHg
Accuracy: ± 3mmHg
Resolution: 1mmHg Accuracy:
Max. Mean Error: ± 5mmHg
Max. Standard Deviation: 8mmHg
Overpressure protection:
Adult 300mmHg
Pediatric 240mmHg
Neonatal 150mmHg

SpO₂

Measurement range: 0 ~ 100%
Resolution: 1%
Accuracy: 70% ~ 100% ± 2%
40% ~ 69% ± 3%

Pulse Rate

Measure/alarm range: 20 ~ 300bpm
Resolution: 1bpm
Accuracy: ± 3bpm

RESP

Method: impedance between RA-LL
Resp Impedance range: 0.3 ~ 3 Ω
Base Impedance range: 200 Ω ~ 4000 Ω
Bandwidth: 0.3 ~ 2.5Hz
Gain: × 0.25, × 0.5, × 1, × 2, × 4
Resp rate:
Measurement Range
Adult 0 ~ 120BrPM
Neonatal/Pediatric 0 ~ 150BrPM
Resolution: 1BrPM
Accuracy: 7 ~ 150BrPM (± 2BrPM)
0 ~ 6BrPM (unspecified)
Apnea Alarm: 10 ~ 40s

TEMP

Channel 2
Measure & alarm range: 0 ~ 50 °C
Resolution: 0.1 °C
Accuracy (no sensor): ±0.1 °C (0~50 °C)

Standard accessories

- NIBP cuff & tube
- ECG cable & electrodes
- SpO₂ sensor
- TEMP probe
- Lithium-ion battery
- Power cable
- Operator's manual

Optional accessories

- IBP
- CO₂
- Nellcor SpO₂