



YK-8000C

Multi-parameter Patient Monitor

Monitor ECG, SpO2 , NIBP, RESP, TEMP, PR and HR.

New

Yonker is one of the biggest medical and healthcare product manufacturers in China.
Range of product:Patient monitor, Pulse oximeter, Blood pressure monitor,
Thermometer, Fetal Doppler, UV radiation, etc.
The whole production line is medical CE certified and mostly FDA certified.

TECHNICAL SPECIFICATIONS

Quality Standards and Classification

CE, ISO13485
SFDA: Class II b
Anti-electroshock degree:
Class I equipment
(internal power supply)
TEMP/SpO 2 /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: 720h
NIBP review: 10000 events
Wave review: 12h
Alarm review: 200 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



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NOTE: The specifications are subject to changes without prior notice.

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Store & Reviewing

- ECG: 30 minutes one important lead's ECG waveform
- Alarm: 1800 groups Alarm events reviewing
- NIBP: 1000 groups NIBP measurement
- Arrhythmia: 128 groups data (8 seconds ECG waveforms)
- Power off storage: 72 hours trend data & 1 ECG wave form(option)

IBP (option)

- Channel: 2
- Measurement Range: -50~+300mmHg
- Unit: mmHg, kPa
- Accuracy: ± 2 mmHg or 2%, whichever is greater

EtCO2(option, Microstream)

- Range 0~19.7%(0-150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 2~150 bpm

EtCO2 (option, Mainstream)

- Range 0~19.7 % (0-150 mmHg)
- Unit: %, mmHg, kPa
- Respiration Rate Range 0~150 bpm

ECG

- Mode: 5-leads (standard); 3-leads or 12-leads (option) -Lead selection: I, II, IH, aVR, aVL, aVF, V1~V6(option) -Gain: AUTO, 0.25x, 0.5x, 1.0x, 2.0x, 4.0x
- Insulation Breakdown Voltage 4000VAC 50/60Hz Sweep speed 6.25mm/s, 12.5mm/s, 25mm/s, 50mm/s
- HR Range: Adult: 10~300bpm Child & Neonate: 10~350bpm
- HR Accuracy $\pm 1\%$ or ± 1 bpm, whichever is greater

Alarm

- Three Level: Low, medium and high
- Indication: Auditory and visual
- Setup: Default and custom
- Silence: All alarms can be silenced
- Volume: 45-85 dB measured at 1 meter

Thermal Recorder (Option)

- Method: Thermal dot array
- Paper width: 50 mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks



Dual Alarm Light

Physiological Alarm Light & Equipment
Technical Alarm Light
Extra Large Alarm Light Design

All-in-one

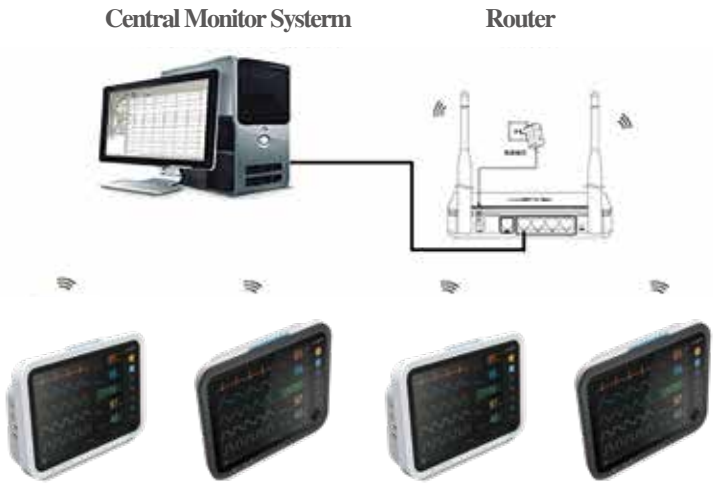
ECG, RESP, SPO2, NIBP, 2-TEMP(Standard)
9-leads ECG, 2-IBP, Cardio Output(ICG)
Side stream /mainstream / Micro stream CO2

Various Extensible interfaces

Standard : Ethernet Network , Defibrillation
Synchronization Output, Nurse Call
Option: analog output , USB Port, VGA output

Built-in Recorder & WLAN modular (option)

3-Channel thermal recorder offers convenient documentation
Wifi wireless connectivity realizes in hospital transportation



WIFI with smart IT solutions

- Wireless integration with Central Monitoring Station
- Dynamic trends provide up to 240 hours of useful information for review
- 8 traces per monitor and 16 monitors on one screen
- View up to 32 maximum bed on one platform in real-time
- Review and manage patient data anytime and anywhere in and pre-hospita



Wall Mount



Rolling Stand