

Periodmed



MULTIPARAMETER PATIENT MONITOR

YK-8000C

TECHNICAL SPECIFICATIONS

Multiparameter Patient Monitor

Quality Standards and Classification

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

Application Range

- Adult/Pediatric/Neonatal (Necilor Spo2&Suntch Nibp) /Surgery/ Operating Room/ICU/CCU (Separated parameter board)

Display

- 12.1" TFT screen

Environment

Operating environment :

- Temperature: 0 ~ 40 °C
- Humidity: 15% ~ 80%
- Pressure: 86.0 kPa ~ 106.0 kPa

Transport and Storage environment :

- Temperature: -20 ~ 55 °C
- Humidity: 10% ~ 90%
- Pressure: 86.0 kPa ~ 106.0 kPa

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 : 305*162*290mm(about) ; 4kg(about)
- Package : 380*350*300mm(about) ; 4.5kg(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: $\times 1.25\text{mm/mV}$, 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 $\leq \pm 10\%$)
- Bandwidth: Surgery 1 ~ 25 Hz
- Monitor 0.5 ~ 40 Hz
- Diagnostic 0.05 ~ 130 Hz
- Sensitivity: $>200\text{ V P-P}$
- CMRR $\geq 112\text{dB}$
- Differential Input Impedance: $>5\text{M}$
- ohm Electrode Offset Potential $\pm 300\text{mV}$
- Polarization Voltage $\geq \pm 500\text{mV}$
- Input Impedance $\geq 5\text{ M}$
- Calibration Voltage: $1\text{mV} \pm 5\%$

SpO₂

- Measurement range: 0 ~ 100%
- Resolution: 1%
- Precision: 70% ~ 100% $\pm 2\%$
0% ~ 69%: no definition given

Pulse Rate

- Measure/alarm range: 20 ~ 300bpm
- Resolution: 1bpm
- Accuracy $\pm 3\text{bpm}$

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

ST Segment

- ST Segment Range: -2.0mV ~ +2.0mV
- Accuracy: Ranging -0.8 mV ~ +0.8mV, measuring error is $\pm 0.02\text{mV}$ or $\pm 10\%$, The larger prevails.
No definition for other ranges.

RESP

- Method: impedance between RA-LL
- Resp Impedance range: 0.3 ~ 3
- Base Impedance range: 200 ~ 4000
- Bandwidth: 0.3 ~ 2.5Hz
- Gain: $\times 0.25$, $\times 0.5$, $\times 1$, $\times 2$, $\times 4$
- 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) $\pm 0.1\text{ °C}$ (0~50 °C) (excluding sensor error)

Standard accessories

- ECG cable & electrodes
- SpO₂ sensor
- TEMP probe
- NIBP cuff & tube
- Power cord
- Lithium-ion battery
- User manual

Optional

- Etco₂ (Optional)
- Dual IBP (Optional)
- Nellcor Spo₂ (Optional)
- Suntch Nibp (Optional)
- Recorder (Optional)
- Touch Screen (Optional)

YK-8000C

Multiparameter Patient Monitor



HD High Definition Visual

 Medical Materials

 170° Wide Viewing Angle

 Brightness

 Fanless Design

Standard Accessories



- ✓ ECG Cable
- ✓ SpO2 sensor
- ✓ Temperature sensor
- ✓ Nibp cuff & tube
- ✓ Power cord
- ✓ Ground wire
- ✓ User Manual



OPTION

Multiparameter Patient Monitor

Thermal Recorder

- ECG, Nibp, Spo2
- Method: Thermal dot array- Paper
- width: 50 mm (1.97 in)
- Paper Speed: 12.5/25/50 (mm/sec)
- Traces Maximum: 3 tracks

IBP

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

EtCO2

- Method: Thermal dot array- Paper
- Range 0~19.7%(0~150 mmHg)
- Unit: %, mmHg: kP
- Respiration Rate Range 2~150 bpm

Rolling Stand

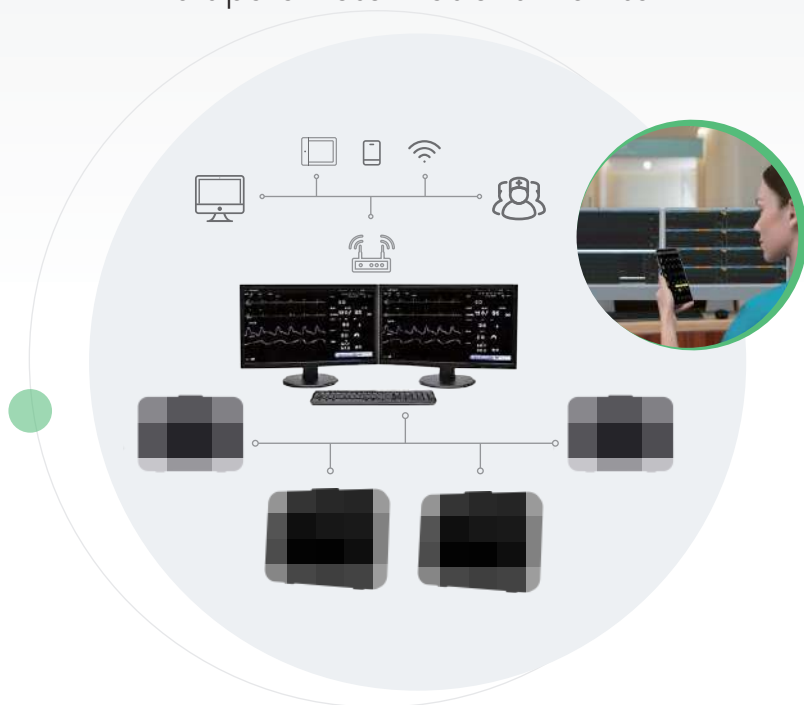


Wall Mount



Central Monitor System

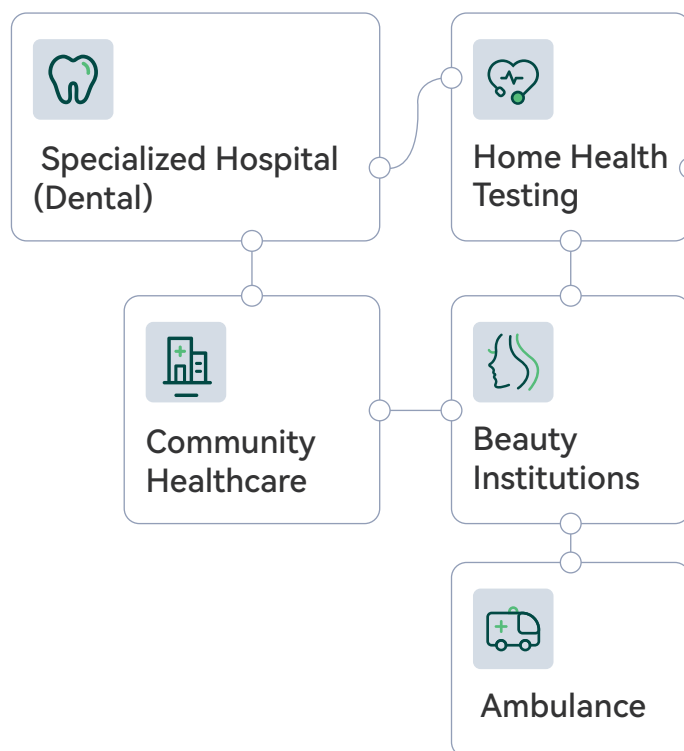
Multiparameter Patient Monitor



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 64 maximum bed on one platform in real-time
- Review and manage patient data anytime and anywhere in and pre-hospita

Application



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