

MULTI-PARAMETER PATIENT MONITOR



TECHNICAL SPECIFICATIONS

Quality Standards

CE, ISO13485, ISO9001,

Design patent certification

Application Range

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

Display

7" 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:
175mm x 140mm x300 mm; 3.3 kg

Package:
360mm x250 mm x 300mm; 4.5 kg

ST Segment

ST Segment Range: -2.0mV ~ +2.0mV

Accuracy: 0.02mV

ECG

5 Leads: RA, LA, LL, RL, V

Lead mode: I, II, III, AVR, AVL, AVF, V

Gain: x 1.25mm/mV, 2.5mm/mV, 5.0mm/mV,
10mm/mV, 20mm/mV (errors ≤5%)

Sweep speed: 6.25mm/s, 12.5mm/s, 25mm/s. 50mm/s
(error's ± ≤10%)

Bandwidth: Surgery 1 - 25 Hz

Monitor 0.5~40 Hz

Diagnostic 0.05-130 Hz

Sensitivity: >200 μ VP-P

CMRR: ≥112dB

Differential Input Impedance: >5M

Ohm Electrode Offset Potential: +300mV

Polarization Voltage: ≥ ±500mV

Input Impedance: ≥5 M

Calibration Voltage: 1mV ± 5%

RESP

Method: impedance between RA-LL

Resp Impedance range: 0.3 -3Ω

Base Impedance range: 200Ω-4000Ω

Bandwidth: 0.3-2.5Hz

Gain: x0.25, x0.5, x1, x2, x4

Resp rate:
Measurement Range
Adult: 0-120BrPM
Neonatal/Pediatric: 0-150BrPM

Resolution: 1BrPM

Accuracy: 7-150BrPM (± 2BrPM)
0-6BrPM (unspecified)

Apnea Alarm: 10 - 40s

Pulse Rate

Measure/alarm range: 20-300bpm

Resolution: 1bpm

Accuracy: ±3bpm

SpO₂

Range: 0~100%

Resolution: 1%

Accuracy: 70%-100% ±2%
40%-69% ± 3%

Temp (optional)

Channel 1

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

Lithium-ion battery

Power cable

Operator's manual

Displayed Parameters

Time: Battery-backed quartz crystal clock

ECG: ECG Waveform Scale, displayed lead

Heart Rate: Derived from ECG or SpO₂

NIBP: Pressure (systolic, mean and diastolic)

Pulse Oximeter: Pulse Rate, SpO₂ waveform, and Oxygen saturation.

Respiration Rate: Respiration rate derived from ECG.

Trends: HR, RR, NIBP, TEMP and SpO₂

Temperatures: one channels

NIBP

Method: Oscillometry

Work 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

PR 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

Optional Accessories

TEMP probe (skin)

Trolley bracket

Hanging bracket

Monitor recorder

Vehicle-mounted power supply