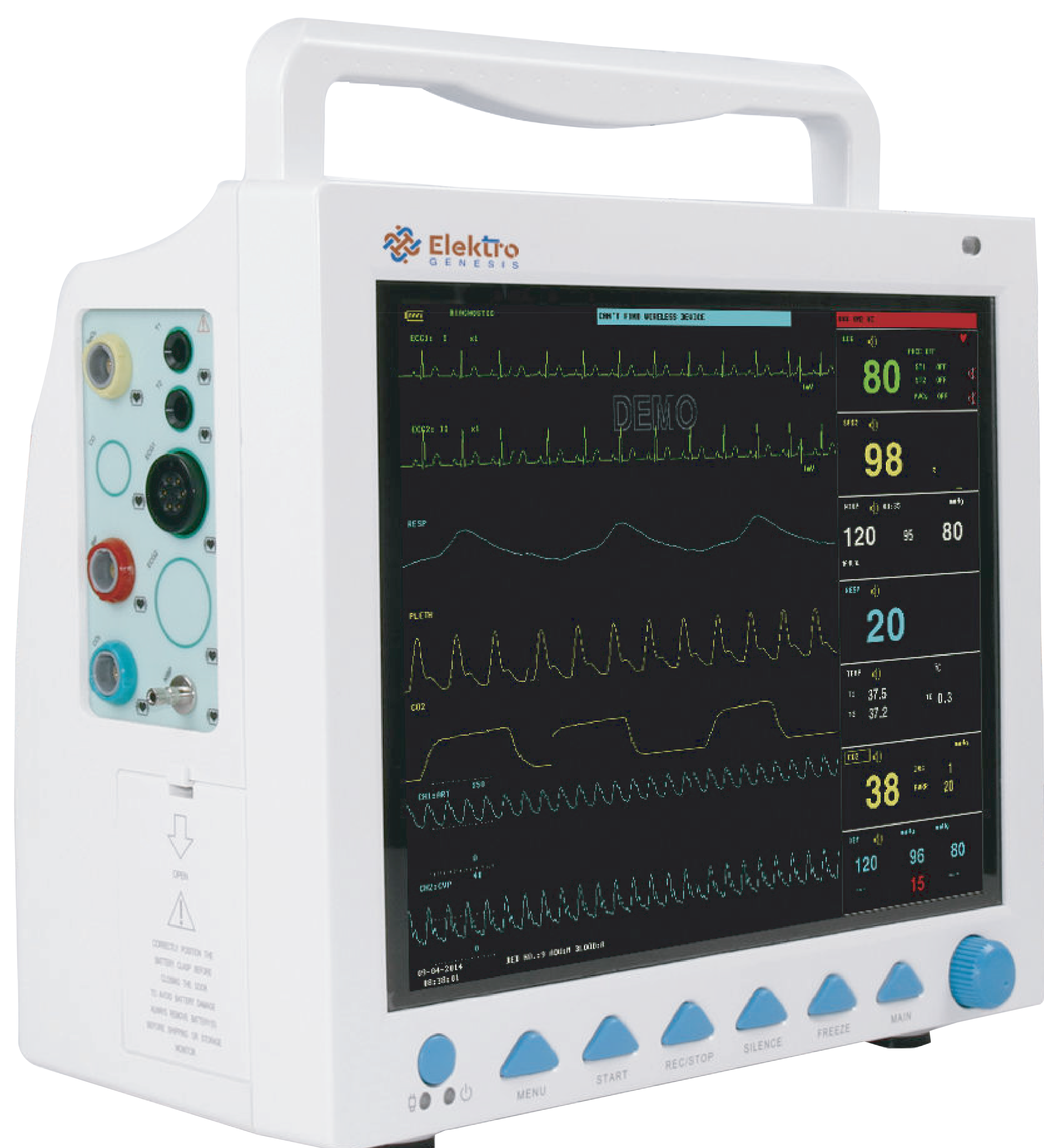


ELK-1200C

PATIENT MONITOR



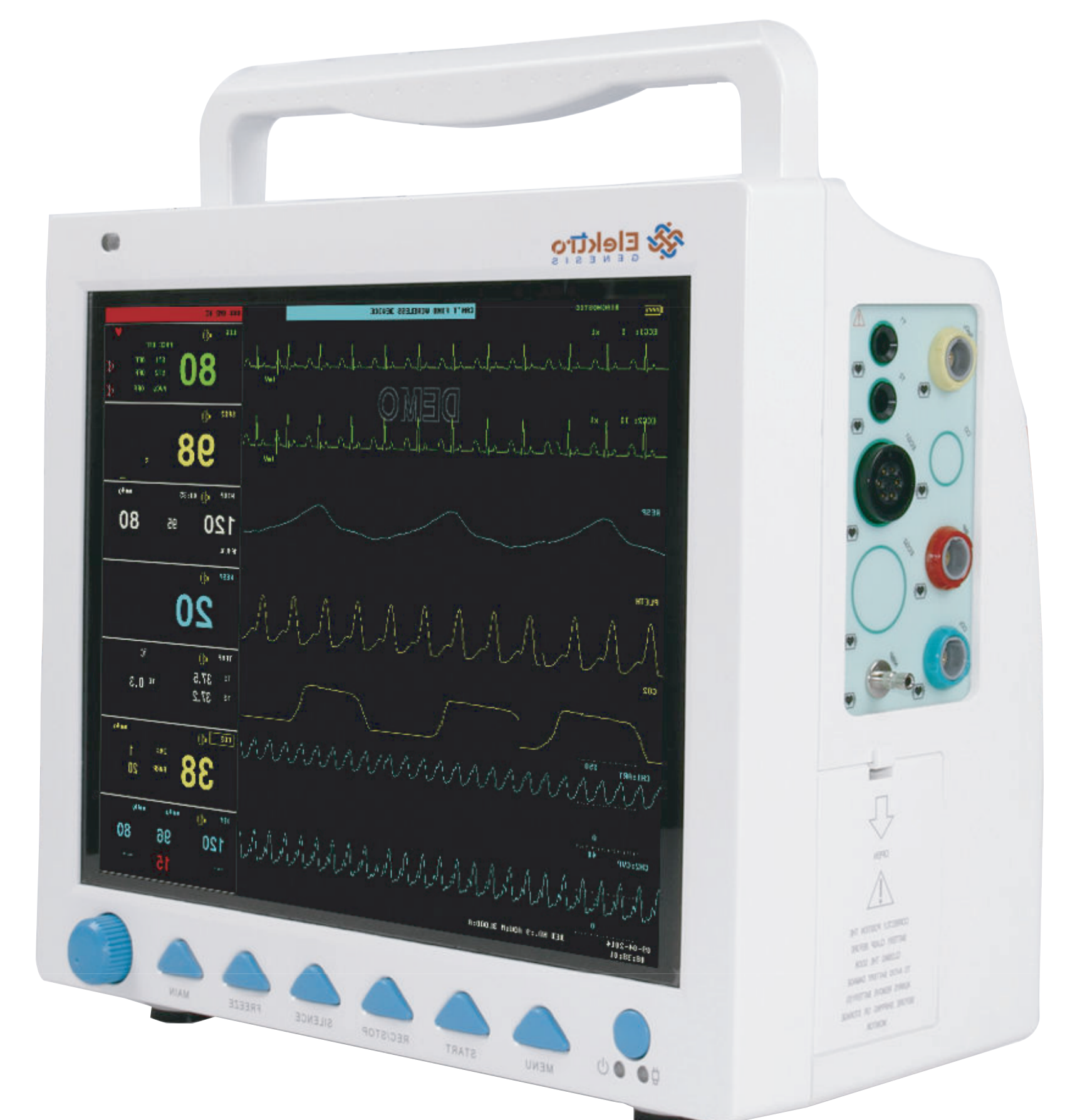
ELK-1200C

Patient Monitor

The monitor has abundant functions that can be used for clinical monitoring with adult, pediatric and neonate. Users may select different parameter configuration according to different requirements. The monitor, power supplied by 100-240V, 50/60Hz, adopts 12.1" color TFT LCD displaying real-time data and waveform. It can synchronously display eight-channel waveform and full monitoring parameters equipped with an optional 48mm thermal recorder. The monitor can be connected to the central monitoring system via wire or wireless network to form a network monitoring system. This device can monitor such parameters as ECG, RESP, NIBP, SpO₂, and dual-channel TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment. Its replaceable internal battery brings lot of convenient for patient moving.

Features:

- 12.1" TFT color LCD, multi-language interface (English, French, German, Italian, Dutch, Russian, Portuguese, Turkish, Spanish (EU), Polish, Roumania, Kazakh, Czech, Trad Chinese, Spanish (MX), Bulgarian, Chinese, Ukraine).
- Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- All-round monitor for adult, pediatric and neonate.
- With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- Finish all operations by keys and knobs.
- Maximum 8-channel waveform synchronous display.
- Display 7-lead ECG waveform on one screen, cascade ECG waveform display.
- Adopt digital SpO₂ technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- Heart rate variability (HRV) analysis function.
- NIBP measurement mode: Manual/AUTO/STAT, storage for 4800-group NIBP data.
- Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.
- Drug concentration calculation and titration table functions.
- One-touch printing of trend graph.
- Connect to Central Monitoring System by 3G, Wi-Fi or wired mode.
- AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.
- Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary).



Functions

Standard parameters: ECG, RESP, SpO₂, PR, NBP, dual-channel TEMP

ECG
Heart rate (HR)
ECG waveform
Arrhythmia and ST-segment analysis

RESP
Respiration rate(RR)
Respiration waveform

SpO₂
Oxygen saturation(SpO₂)
Plethysmogram(PLETH) waveform
Pulse rate(PR)
Bar graph

NIBP
Systolic pressure (SYS), Diastolic pressure (DIA). Mean pressure (MEAN)

TEMP
T1, T2, TD

IBP(optional)
CH1: SYS, DIA, MAP
CH2: SYS, DIA, MAP
IBP waveform

CO₂(optional)
EtCO₂
InsCO₂: Inspired Minimum CO₂
AwRR: Air Way Respiration

It has abundant functions, such as audible and visual alarm, trend data storage and output, NIBP measurement, alarm event marking and drug concentration calculation, etc.

Physical Characteristic

Dimension: 227mm(L) x 153mm(W) x 247mm(H)

Weight: 2.4 Kg

Accessories

Adult fingertip SpO₂, probe (5-pin)

Adult NIBP cuff

NIBP extension tube

ECG lead cable

ECG electrode

Temperature probe

Power cord

User Manual

Performance

ECG

Lead mode:
3-lead I, II, III
5-lead I, II, III, aVR, aVL, aVF, V

Waveform: 3-lead, 1-channel, 5-lead, 2-channel

Gain: 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV, 40mm/mV

Scan speed: 12.5mm/s, 25 mm/s, 50 mm/s

HR:
Measurement and alarm range: 15-350 bpm

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

Alarm accuracy: ± 2 bpm

Resolution: 1 bpm

ST-segment monitoring:
Measurement and alarm range: -2 mV ~ +2 mV

Accuracy: -0.8 mV~+0.8 mV ± 0.04 mV or $\pm 10\%$, whichever is greater

Other range: unspecified

Arrhythmia analysis: ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC

Pacemaker: yes

RESP

Method: R-F(RA-LL) Impedance

Respiration rate:
Measurement and alarm range: 0-150 rpm

Resolution: 1 rpm

Measurement accuracy: ± 2 rpm

Alarm accuracy: ± 3 rpm

Apnea alarm: 10-40s

Scan speed: 6.25 mm/s, 12.5 mm/s, 25 mm/s

NIBP

Method: Oscillometry

Mode: Manual/AUTO/STAT

Measurement interval in AUTO mode: 1/2/3/4/5/10/15/30/60/90/120/240/480/960 minutes

Measurement period in STAT mode: 5 minutes

Measurement and alarm range: 10 - 270 mmHg

Resolution: 1 mmHg

Cuff pressure accuracy: ± 3 mmHg

Measurement accuracy:

Maximal mean deviation: ± 5 mmHg

Maximal standard deviation: 8 mmHg

Over-pressure protection:

Adult mode: 297 mmHg ± 3 mmHg

Pediatric mode: 240 mmHg ± 3 mmHg

Neonatal mode: 147 mmHg ± 3 mmHg

SpO₂

Measurement and alarm range: 0 - 100%

Resolution: 1%

Measurement accuracy:

70%-100% $\pm 2\%$;

0%-69%: unspecified

PR

Measurement and alarm range: 25 ~ 250 bpm

Measurement accuracy: ± 2 bpm or $\pm 2\%$, whichever is greater

TEMP

Channel: dual-channel

Measurement and alarm range: 0-50°C

Resolution: 0.1°C

Accuracy: $\pm 0.1^\circ\text{C}$

EtCO₂

Method:

Sidestream or Mainstream

Measuring Range:

0 - 150 mmHg

Resolution:

0~69 mmHg: 0.1 mmHg

70~150 mmHg: 0.25 mmHg

Accuracy:

0~40 mm Hg: $\pm 2\%$

41~70 mm Hg: $\pm 5\%$

71~100 mm Hg: $\pm 8\%$

101~150 mm Hg: $\pm 10\%$

AWRR Range:

2- 150 rpm

AwRR Accuracy:

± 1 rpm

Apnea Alarm:

Yes

IBP

Channel: dual-channel

Label: ART, PA, CVP, RAP, LAP, ICP, P1, P2

Measuring and Alarm Range: -10- 300 mmHg

Resolution: 1 mmHg

Accuracy: $\pm 2\%$ or 1mmHg, whichever is greater

Power supply

100-240V, 50/60Hz

Safety classification

Class I, type CF defibrillation-proof applied part

