CONTEC



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 $100-240V \sim ,50/60$ Hz, adopts 12.1" color TFT LCD displaying real–time date 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.

CMS8000

Functions

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

♦ ECG Heart rate(HR)

FCG waveform

Arrhythmia and ST-segment analysis

RESP Respiration rate(RR)

Respiration waveform Oxygen saturation(SpO2) ◆ SpO₂

Plethysmogram(PLETH) waveform

Pulse rate(PR) Bar graph

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

pressure(MEAN)

◆ TEMP T1, T2, TD

CH1: SYS, DIA, MAP ◆ IBP(optional)

CH2: SYS, DIA, MAP

IBP waveform

EtCO₂ ◆ CO₂(optional)

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.

Accessories

◆ Adult fingertip SpO₂ probe (5-pin) ◆ Adult NIBP cuff

NIBP extension tube
→ ECG lead cable
→ ECG electrode
→ Temperature probe
→ Power cord
→ User Manual

Physical characteristic

◆ Dimension: 314 mm(L) × 145 mm(W) × 264 mm(H)

◆ Weight: <3.9 kg(excluding battery and accessories)

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 in terface 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
- ◆ 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
- 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).

Performance

♦ ECG

Lead mode: 3-lead: 1, 11, 111

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

3-lead, 1-channel Waveform:

5-lead, 2-channel

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

20 mm/mV, 40 mm/mV

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

HR:

Measurement and alarm range: 15 ~ 350 bpm

Resolution: 1 bpm

Accuracy: ±1% or ±1 bpm, whichever is greater

Alarm accuracy: ± 2 bpm

ST-segment monitoring:

Measurement and alarm range: -2.0 mV ~ +2.0 mV

Accuracy: $-0.8 \text{ mV} \sim +0.8 \text{ mV}$: $\pm 0.04 \text{ mV}$ or $\pm 10\%$, whichever is greater

Other range: unspecified

ASYSTOLE, VFIB/VTAC, COUPLET, BIGEMINY, Arrhythmia analysis:

TRIGEMINY, R ON T, VT>2, PVC, TACHY, BRADY, MISSED BEATS, PNP, PNC

Pacemaker:

◆ RESP Method

R-F(RA-LL) Impedance

Respiration rate:

Measurement and alarm range: 0 ~ 150 rpm

Resolution: 1 rpm Measurement accuracy: + 2 rpm Apnea alarm: $10 \sim 40 \, s$

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 mmHa Cuff pressure accuracy: ±3 mmHg Measurement accuracy:

Maximal mean deviation: ± 5 mmHg Maximal standard deviation: 8 mmHg

♦ NIBP

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%

Accuracy: 70 ~ 100 %: ±2 %; 0 ~ 69 %: unspecified

PR

Measurement and alarm range:25 ~ 250 bpm

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

◆ TEMP

Channel: dual-channel Measurement and alarm range: 0 ~ 50°C Resolution: 0.1 ℃ ± 0.1 ℃ Accuracy:

♦ 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: ± 2 mm Hg 41 ~ 70 mm Ha: ±5% 71 ~ 100 mm Hg: ±8 % 101 ~ 150 mm Hg: ± 10 %

AwRR Range: 2 ~ 150 rpm AWRR Accuracy: ±1rpm Apnea Alarm: Yes

◆ IBP

dual-channel Channel:

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

Measuring and Alarm Range: -10 ~ 300 mmHg

Resolution: 1 mmHg

Accuracy: ± 2% or 1mmHg, whichever is greater

Power supply: 100-240V ~ , 50/60 Hz

◆ Safety classification: Class I, type CF defibrillation-proof applied part