

Patient Monitor CMS8000

CONTEC Brand

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.

Functions

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

1)ECG Heart rate(HR)

ECG waveform

Arrhythmia and ST-segment analysis

2)RESP Respiration rate(RR)

Respiration waveform

3)SpO2 Oxygen saturation(SpO2)

Plethysmogram (PLETH) waveform

Pulse rate(PR)

Bar graph

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

5)TEMP T1, T2, TD

6)IBP(optional) CH1 : SYS, DIA, MAP

CH2 : SYS, DIA, MAP

IBP waveform

7)CO2 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.

Features

- 1) 12.1" TFT color LCD, multi-language interface (Simplified Chinese, Traditional Chinese, English, French, German, Turkish, Spanish, Portuguese, Italian, Dutch, Romanian, Russian, Kazakh, Polish, Czech).
- 2) Fan-less design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- 3) All-round monitor for adult, pediatric and neonate.
- 4) With standard interface, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- 5) Finish all operations by keys and knobs.
- 6) Maximum 8-channel waveform synchronous display.
- 7) Display 7-lead ECG waveform on one screen, cascade ECG waveform display.
- 8) Adopt digital SpO₂ technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- 9) Heart rate variability (HRV) analysis function.
- 10) NIBP measurement mode: Manual/AUTO/STAT, storage for 4800-group NIBP data.
- 11) Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.
- 12) Drug concentration calculation and titration table functions.
- 13) One-touch printing of trend graph.
- 14) Connect to Central Monitoring System by 3G, Wi-Fi or wired mode.
- 15) AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.
- 16) Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary).
 - Data saving up to 72 hours in the internal memory
 - Up to 150 minutes use with a battery removable and rechargeable

Performance

▲ ECG

Lead mode: 3-lead or 5-lead

Lead selection: I, II, III, aVR, aVL, aVF, V

Waveform: 5-lead, dual-channel

3-lead, single-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: -2.0 mV ~ +2.0 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: Oscillometer

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 ± 3 mmHg

Pediatric mode: 240 ± 3 mmHg

Neonatal mode: 147 ± 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: 30 ~ 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: ± 0.1 °C

▲ EtCO₂

Method: Side stream or Mainstream

Measuring Range: 0~150mmHg

Resolution:

0~69 mmHg, 0.1 mmHg

70~150 mmHg, 0.25 mmHg

Accuracy:

0~40 mm Hg ± 2 mm Hg

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 BPM

Apnea Alarm: Yes

Accessories

- 1)Adult fingertip SpO2 probe (5-pin)
- 2)Adult NIBP cuff
- 3)NIBP extension tube
- 4)ECG lead cable
- 5)ECG electrode
- 6)Temperature probe
- 7)Power cord
- 8)User Manual

Physical characteristic

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

Weight: 3.9 Kg

