

CONTEC™



CMS5100 Patient Monitor

Contec Medical Systems Co.,Ltd.

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CMS5100



CMS5100 Patient Monitor is a feature-rich monitoring device that can be applied to adults, pediatric and neonate. User can choose different measurement parameters according to different needs. The patient monitor can monitor NIBP, SpO₂ and PR. It integrates the function of parameter measuring and displaying into a compact, lightweight patient monitor, which is suitable for all levels of hospitals, community medical and home use.

Features

- 1) Be applicable for NIBP and SpO₂ monitoring of adult, pediatric and neonate of all ages, easy to operate, high cost-effective;
- 2) Be applicable for medicine, surgery, operating room, ICU/CCU, emergency room, obstetrics and gynecology, pediatrics;
- 3) Compact and flexible appearance, easy for carrying and suitable for indoor and outdoor (in ambulance) monitoring;
- 4) Built-in rechargeable lithium polymer battery, ensuring uninterrupted monitoring;
- 5) Perfect menu design, user-friendly interface;
- 6) Display the measurement result of SYS, DIA, MAP, SpO₂, PR and bar graph by the display screen of high-brightness digital tube;
- 7) 2.8" (320 × 240) true color TFT LCD screen, displays the information of time, SpO₂, Plethysmogram, alarm condition, trend graph, list and system settings, etc.;
- 8) Visual and audible alarm for SYS, DIA, MAP, SpO₂ and PR, and upper and lower limit of alarm can be set as necessary;
- 9) Bidirectional nonvolatile memory, storage for up to 2,000 groups of NIBP data and 78,000 groups of SpO₂ data;
- 10) Convenient and quick in reviewing measurement data, available for reviewing the NIBP trend graph of 24 hours and SpO₂ trend graph of 22 hours.

Physical characteristic

Dimension: 150 mm(L) × 162 mm(W) × 240 mm(H)
Weight: about 1.6 kg

Optional configuration

No.	Name	Model	Application
1	Vertical bracket	—	Fix the monitor on the vertical bracket to convenient for moving
2	Wall bracke	—	Fix the monitor on the wall or patient bedside

Performance

NIBP

Using Oscillometry technology, also called Oscolography technology to measure the blood pressure.

- 1) Measurement mode: manual/auto/continuous
- 2) Measurement interval in auto mode: 1, 2, 3, 4, 5, 5 × n (n=2, 3, 4...5) min.
- 3) Resolution: 1 mmHg
- 4) Accuracy: max mean error: ± 5 mmHg; max standard deviation: 8 mmHg
- 5) Overpressure protection: dual protection for both software and hardware
- 6) Others: reset, self-testing and accuracy testing of static pressure
- 7) Measurement range:

Adult	Pediatric:	Neonate:
SYS 40 mmHg-270 mmHg	SYS 40 mmHg-200 mmHg	SYS 40 mmHg-135 mmHg
MAP 20 mmHg-235 mmHg	MAP 20 mmHg-165 mmHg	MAP 20 mmHg-110 mmHg
DIA 10 mmHg-215 mmHg	DIA 10 mmHg-150 mmHg	DIA 10 mmHg-100 mmHg

SpO₂

Using Photoelectric Oxyhemoglobin Inspection Technology combined with Capacity Pulse Scanning & Recording Technology to measure the saturation of blood oxygen.

- 1) Measurement range: 0 %-100 %
- 2) Alarm range: 0 %-100 %
- 3) Resolution: 1 %
- 4) Accuracy: 70 %-100 %, ± 2 %; below 70 % unspecified.

PR

Using Photoelectric Oxyhemoglobin Inspection Technology combined with Capacity Pulse Scanning & Recording Technology to measure the pulse rate.

- 1) Measurement range: 25 bpm-250 bpm
- 2) Alarm range: 25 bpm-250 bpm
- 3) Resolution: 1 bpm
- 4) Accuracy: ± 2 bpm or ± 2 %, whichever is greater

Accessories

- 1) User Manual 1pc
- 2) Power cord 1pc
- 3) Power adapter 1pc
- 4) SpO₂ sensor 1pc
- 5) Adult NIBP cuff 1pc
- 6) NIBP extension tube 1pc

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「CARE HEALTH CARE LIFE」



LIGHT THE RHYTHM OF LIFE WITH TECHNOLOGY



CMS8000 PATIENT MONITOR

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CMS8000

Patient Monitor



HR analysis



Display 7-lead ECG
on one screen



Multi-language
interface



Fanless design



Adjustable volume



Waveform review

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 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.

Functions

Standard parameters: ECG, RESP, SpO₂, PR, NIBP, 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.

Features

- ◆ 12.1" TFT color LCD, multi-language interface(English, French, German, Italian, Dutch, Russian, Portuguese, Turkish, Spanish(EU), Polish, Romania, 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).