

# PATIENT MONITOR CMS-6000



The monitor has abundant monitoring functions and is used for monitoring of adult, pediatric and neonate. User may select different parameter configurations according to different requirements. It displays real-time data and waveform by 8" TFT color LCD, and up to 8-channel waveform and all monitoring parameters can be displayed simultaneously. 48mm thermal printer is optional. In addition, it can be connected to the central monitoring system via wired/wireless network so as to form a network monitoring system.

This device can monitor such parameters as ECG, RESP, SpO<sub>2</sub>, PR, NIBP and dual-channel TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment. At the same time, its built-in replaceable battery provides convenience for patient moving.

## Features

- 8" TFT color LCD, multi-language interface(Simplified Chinese, Traditional Chinese, English, French, German, Turkish, Spanish, Portuguese, Italian, Dutch, Romanian, Russian, Kazakhstan, Polish, Czech).
- 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, OxyCRG, trend chard, big character interface and view bed, convenient to observe.
- Waveform, parameter color and location can be set optionally.
- Operation mode: keys and buttons.
- Display up to 8-channel waveform on one screen.
- Display 7-lead ECG waveform on one screen, and with ECG step function.
- Adopt digital SpO<sub>2</sub> technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- 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.
- Print trend table data with one-key.
- Connect to Central Monitoring System by 3G, WiFi or wired mode.
- AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.
- Anti-high frequency surgical unit, defibrillation-proof(special leads are necessary).

## Technical Specifications

- **Parameter Measures :** ECG, RESP, NIBP, SpO<sub>2</sub>, Dual-channel TEMP
- **Make / Model :** CONTEC CMS6000
- **Power Supply AC :** 100 ~ 240 (V), 50/60 (Hz)
- **Safety classification :** Class I, type CF defibrillation-proof applied part
- **Dimension :** 235 x 141 x 222 mm.
- **Weight :** 2.5 Kg

## Performance

### ECG

- ECG waveform
- Heart rate(HR)
- Arrhythmia and ST-segment analysis
- **Lead mode :** 3-lead or 5-lead
- **Lead selection :** I, II, III, aVR, aVL, aVF, V
- **Waveform :** single-channel
- **Gain :** 2.5mm/mV, 5.0mm/mV, 10mm/mV, 20mm/mV
- **Scan speed :** 12.5mm/s, 25 mm/s, 50 mm/s

### NIBP

- **Method :** Oscillometry
- Systolic pressure(SYS), Diastolic pressure(DIA), Mean pressure(MEAN)
- **Measurement mode :** manual/auto/continuous
- **Measurement interval in auto mode :** 1 / 2 / 3 / 4 / 5 / 10 / 15 / 30 / 60 / 90 / 120 / 240 / 480 mints.
- **Measurement period in Continuous mode :** 5 minutes
- **Measurement and alarm range :** 10 ~ 270 mmHg
- **Resolution :** 1 mmHg
- **Cuff pressure accuracy :** ±3 mmHg
- **Adult :** 297±3 mmHg
- **Pediatric :** 240±3 mmHg
- **Neonatal :** 147±3 mmHg
- **Measurement accuracy :**
  - Maximal mean deviation : ±5 mmHg
  - Maximal standard deviation : 8 mmHg

### TEMP.

- **Channel :** Dual-channel (T1, T2, TD,)
- **Measurement range :** 0 °C~50 °C
- **Alarm range :** 0 °C~50 °C
- **Resolution :** 0.2 °C
- **Accuracy :** ±0.1 °C

## Accessories

- Adult fingertip SpO<sub>2</sub> probe
- SpO<sub>2</sub> probe extension cable
- Adult/Neonatal cuff + cable (based on selection)
- NIBP extension tube

### RESP

- Respiration waveform
- Respiration rate(RR)
- **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 :** 12.5 mm/s, 25 mm/s

### SpO<sub>2</sub>

- Oxygen saturation(SpO<sub>2</sub>)
- Plethysmogram(PLETH) waveform
- Pulse rate(PR)
- Bargraph
- **Measurement range :** 0 %~100 %
- **Alarm range :** 0 %~100 %
- **Resolution :** 1 %
- **Accuracy :** 70 %~100 %, ±2 %; 0%~69%: unspecified.

### PR

- **Measurement range :** 30 bpm~250 bpm
- **Alarm range :** 30 bpm~250 bpm
- **Resolution :** 1 bpm
- **Accuracy :** ±2 bpm or ±2 %, whichever is greater.

### IBP (Upgradable)

- **Channel :** 2
- **Pressure transducer :** Sensitivity 5(mV/V/mmHg)
- **Transducer sites :** ART, PA, CVP, RAP, LAP, ICP

### CO<sub>2</sub>(optional)

- EtCO<sub>2</sub>
- **InsCO<sub>2</sub> :** Inspired Minimum Co<sub>2</sub>
- **AwRR :** Air Way Respiration

NOTE : DUE TO OUR CONTINUOUS R & D PROGRAM SPECIFICATIONS AND DESIGN MAY CHANGE WITHOUT PRIOR NOTICE.



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