

# CONTEC™



## CMS6000 Patient Monitor

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.

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CONTEC reserves the right of product appearance, specifications and function modification and updating without prior notification. CMS2.782.033EXC/1.1 1.4.03.01.668

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# CMS6000

## Functions

Standard parameters: ECG, RESP, SpO<sub>2</sub>, PR, NIBP, dual-channel TEMP

- ◆ ECG Heart rate(HR)  
ECG waveform  
Arrhythmia and ST-segment analysis
- ◆ RESP Respiration rate(RR)  
Respiration waveform
- ◆ SpO<sub>2</sub> Oxygen saturation(SpO<sub>2</sub>)  
Plethysmogram(PLETH) waveform  
Pulse rate(PR)  
Bar graph
- ◆ NIBP Systolic pressure(SYS), Diastolic pressure(DIA), Mean pressure (MEAN)
- ◆ TEMP T1, T2, TD

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 SpO<sub>2</sub> probe (5-pin)
- ◆ Adult NIBP cuff
- ◆ NIBP extension tube
- ◆ ECG lead cable
- ◆ ECG electrode
- ◆ Temperature probe
- ◆ Power adapter
- ◆ Power cord
- ◆ User Manual

## Physical characteristic

- ◆ Dimension: 235 mm(L) × 141 mm(W) × 222 mm(H)
- ◆ Weight: <2.5 kg(excluding accessories)

## 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: 2.5 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: ADU: 15~300 bpm  
PED/NEO: 15~350 bpm  
Resolution: 1 bpm  
Accuracy: ± 1% or ± 1bpm, whichever is greater  
Alarm accuracy: ± 2 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 ± 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
- ◆ RESPIRATION  
Method: R-F(RA-LL) Impedance  
Respiration rate:  
Measurement and alarm range: 0~150 rpm  
Resolution: 1 rpm  
Accuracy: ± 2 rpm
- Apnea alarm: 10~40 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 mmHg  
Cuff pressure accuracy: ± 3 mmHg  
Measurement accuracy:  
Maximal mean deviation: ± 5 mmHg  
Maximal standard deviation: 8 mmHg

## Features

- ◆ 8" 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, 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).
- ◆ NIBP  
Over-pressure protection:  
Adult mode: 297 mmHg ± 3 mmHg  
Pediatric mode: 240 mmHg ± 3 mmHg  
Neonatal mode: 147 mmHg ± 3 mmHg
- ◆ SpO<sub>2</sub>  
Measurement and alarm range: 0~100 %  
Resolution: 1 %  
Accuracy: 70~100 %: ± 2 %  
0~69 %: unspecified
- ◆ PR  
Measurement and alarm range: 25~250 bpm  
Accuracy: ± 2 bpm or ± 2%, whichever is greater
- ◆ TEMP  
Channel: dual-channel  
Measurement and alarm range: 0~50 °C  
Resolution: 0.1 °C  
Accuracy: ± 0.1 °C
- ◆ EtCO<sub>2</sub>  
Method: Sidestream or Mainstream  
Measurement range for CO<sub>2</sub>: 0~150 mmHg  
Resolution for CO<sub>2</sub>:  
0.1 mmHg: 0~69 mmHg  
0.25 mmHg: 70~150 mmHg  
Accuracy for CO<sub>2</sub>:  
0~40 mmHg: ± 2 mmHg  
41~70 mmHg: ± 5 %  
71~100 mmHg: ± 8 %  
101~150 mmHg: ± 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  
Measurement and alarm range: -10~300 mmHg  
Resolution: 1 mmHg  
Accuracy: ± 2% or 1mmHg, whichever is greater
- ◆ Power supply: 100~240V~, 50/60Hz
- ◆ Safety classification: Class I, type CF defibrillation-proof applied part