

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, SpO₂, 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, SpO₂, PR, NIBP, dual-channel TEMP

- ◆ ECG Heart rate(HR)
ECG waveform
- ◆ RESP Arrhythmia and ST-segment analysis
Respiration rate(RR)
Respiration waveform
- ◆ SpO₂ Oxygen saturation(SpO₂)
Plethysmogram(PLETH) waveform
Pulse rate(PR)
- ◆ NIBP Bar graph
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 SpO₂ 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, Kazakhstan, 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 chart, 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 SpO₂ technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak lighting.
- ◆ 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

◆ SpO₂

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

◆ EtCO₂

Method: Sidestream or Mainstream

Measurement range for CO₂: 0~150 mmHg

Resolution for CO₂:

0.1 mmHg: 0~69 mmHg

0.25 mmHg: 70~150 mmHg

Accuracy for CO₂:

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