

# CONTEC™



## CMS6500 Patient Monitor

**Contec Medical Systems Co.,Ltd.**

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# CMS6500



This device can monitor such parameters as ECG, RESP, SpO<sub>2</sub>, PR, NIBP and TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment.

## Features

- 1) 7" TFT color LCD, multi-language interface (English, Chinese, Russian, Kazakhstan, Czech, Slovak).
- 2) Touch screen operation, which improves the working efficiency for medical staff.
- 3) Fanless design, quiet, energy-saving and clean, which reduces the possibility of cross-infection.
- 4) All-round monitor for adult, pediatric and neonate.
- 5) With standard interface, big character interface and view bed, convenient to observe.
- 6) Waveform, parameter color and location can be set optionally.
- 7) Display 7-lead ECG waveform on one screen.
- 8) 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.
- 9) NIBP measurement mode: Manual/AUTO/Continuous, storage for 4800-group NIBP data.
- 10) Review for 71 alarm events of all parameters and 60 arrhythmia alarm events.
- 11) Drug concentration calculation and titration table functions.
- 12) Connect to Central Monitoring System by 3G, Wi-Fi or wired mode.
- 13) AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.
- 14) Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary).

## Functions

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

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

It has abundant functions, such as touch-screen operation, audible and visual alarm, trend data storage and output, NIBP measurement, alarm event marking and drug concentration calculation, etc.

## Optional configuration

- ◆ PI index, thermal printer, adjustable backlight, vertical bracket, wall bracket.

## Physical characteristic

Dimension: 192 mm(L) × 162 mm(W) × 243 mm(H)

Weight: 2.0 Kg

## Accessories

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

## Certification

CE certificate

## Performance

### ◆ ECG

Lead mode: 3-lead or 5-lead

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

Waveform: single-channel

Gain: 2.5 mm/mV, 5.0 mm/mV, 10 mm/mV, 20 mm/mV

Scan speed: 12.5 mm/s, 25 mm/s, 50 mm/s

HR:

Measurement and alarm range: 15~350 bpm

Accuracy: ±1% or ±1 bpm, whichever is greater

Alarm accuracy: ±2 bpm

Resolution: 1 bpm

ST-segment monitoring:

Measurement and alarm range: -2 mV ~ +2 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

### ◆ RESP

Method: R-FIRA-LL Impedance

Respiration rate:

Measurement and alarm range: 0~150 rpm

Resolution: 1 rpm

Measurement accuracy: ±2 rpm

Alarm accuracy: ±3 rpm

Apnea alarm: 10~40 s

Scan speed: 12.5 mm/s, 25 mm/s

### ◆ NIBP

Method: Oscillometry

Mode: Manual/AUTO/Continuous

Measurement interval in AUTO mode: 1/2/3/4/5/10/15/30/60/90/120/240/480/960 minutes

Measurement period in Continuous 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

### ◆ SpO<sub>2</sub>

Measurement and alarm range: 0 ~ 100%

Resolution: 1%

Measurement accuracy: 70%~100%: ±2%;

0%~69%: unspecified

### ◆ PR

Measurement and alarm range: 30 ~ 250 bpm

Measurement accuracy: ±2 bpm or ±2%, whichever is greater

### ◆ TEMP

Channel: single-channel

Measurement and alarm range: 0 ~ 50 °C

Resolution: 0.1 °C

Accuracy: ±0.1 °C

◆ Power supply

Adaptor: 9 V DC

100 ~ 240 V~, 50/60 Hz

Maximal input power: 36VA

◆ Safety classification: Class I, type CF defibrillation-proof applied part