CONTEC™

CMS5100

Patient Monitor

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, SpO_2 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 SpO_2 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, SpO_2, 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, SpO_2 Plethysmogram, alarm condition, trend graph, list and system settings, etc.;

8)Visual and audible alarm for SYS, DIA, MAP, SpO_2 and PR, and upper and lower limit of alarm can be set as necessary;

9)Independent nonvolatile memory, storage for up to 2,000 groups of NIBP data and 78,000 groups of SpO_2 data;

10)Convenient and quick in reviewing measurement data, available for reviewing the NIBP trend graph of 24 hours and SpO_2 trend graph of 22 hours.

Physical characteristic

Dimension: 190 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 Oscillography 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...51) 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

SpO_2

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)SpO_2 sensor 1pc

5)Adult NIBP cuff 1pc

6)NIBP extension tube 1pc