

CMS8000

Patient Monitor



HR analysis



Display 7-lead ECG on one screen



Multi-language interface



Fanless design



Adjustable volume



Waveform review

The monitor has abundant functions that can be used for clinical monitoring with adult, pediatric and neonate. Users may select different parameter configuration according to different requirements. The monitor, power supplied by 100-240V ~, 50/60Hz, adopts 12.1" color TFT LCD displaying real-time data and waveform. It can synchronously display eight-channel waveform and full monitoring parameters equipped with an optional 48mm thermal recorder. The monitor can be connected to the central monitoring system via wire or wireless network to form a network monitoring system.

This device can monitor such parameters as ECG, RESP, NIBP, SpO₂, and dual-channel TEMP, etc. It integrates parameter measurement module, display and recorder in one device to form a compact and portable equipment. Its replaceable internal battery brings lot of convenient for patient moving.

Functions

Standard parameters: ECG, RESP, SpO₂, PR, NIBP, dual-channel TEMP

- ECG Heart rate(HR)
ECG waveform
Arrhythmia and ST-segment analysis
- RESP Respiration rate(RR)
Respiration waveform
- SpO₂ Oxygen saturation(SpO₂)
Plethysmogram(PLETH) waveform
Pulse rate(PR)
Bar graph
- NIBP Systolic pressure(SYS), Diastolic pressure(DIA),
Mean pressure(MEAN)
- TEMP T1, T2, TD
- IBP(optional) CH1: SYS, DIA, MAP
CH2: SYS, DIA, MAP
IBP waveform
- CO₂(optional) EtCO₂
InsCO₂: Inspired Minimum CO₂
AwRR: Air Way Respiration

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.

Features

- 12.1" TFT color LCD, multi-language interface(English, French, German, Italian, Dutch, Russian, Portuguese, Turkish, Spanish(EU), Polish, Romania, 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, oxygen graph, trend graph, big character interface and view bed, convenient to observe.
- Finish all operations by keys and knobs.
- Maximum 8-channel waveform synchronous display.
- Display 7-lead ECG waveform on one screen, cascade ECG waveform display
- Adopt digital SpO₂ technology, anti-motion and anti-ambient light interference, and measurement can be performed under the circumstance of weak filling.
- Heart rate variability (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.
- One-touch printing of trend graph
- Connect to Central Monitoring System by 3G, Wi-Fi or wired mode.
- AC/DC, built-in rechargeable lithium battery achieve uninterrupted monitoring.
- Anti-high frequency surgical unit, defibrillation-proof (special leads are necessary).



**Experience the
Reliability**



Happier Living Everyday

SYRINGE PUMP

Acura-S1



Color Display

High definition 2.8" Color LCD with infusion rate display



In-built Drug Library

The device comes with an in-built drug library



Multiple Infusion Modes

In-built Flow rate, Time/volume, Dosage/Weight Infusion modes



Double CPU

Double CPU ensures safety and reliability of infusion



Bolus Modes

Dual bolus: Automatic and Manual along with Anti-Bolus junction



Device Memory

2000 history records and last configuration memory



Automatic Syringe Calibration

Calibrated for all standard syringe brands of 5ml, 10ml, 20ml, 30ml & 50/60ml



Pressure Detection

3 level occlusion sensitivities setting (programmable) with picture representation



Alarms

Audio and visual alarms for alerts



Fixing Clamp

Vertical & Horizontal rotatable fixation clamp

Technical Data

Applicable Syringe Size	10ml, 20ml, 30ml, 50/60ml
Rate	10ml:0.1-300ml/h, 20ml:0.1-600ml/h 30ml:0.1-900ml/h, 50/60ml:0.1-1500ml/h
Bolus Rate & Volume	10ml:0.1-240ml/h, 0.1-5ml 20ml:0.1-480ml/h, 0.1-10ml 30ml:0.1-720ml/h, 0.1-10ml 50/60ml:0.1-1200ml/h, 0.1-10ml
KVO Rate	0.1-5.0ml/h
VTBI (Volume to be Injected)	0.1-9999.9 ml
Cumulative Volume	0.1-9999.9 ml
Injection Accuracy	Within ±3% (after calibration)
Anti-Bolus	Automatically release tubing pressure when there is occlusion.
Alarms Information	Injection finished, soon finish, injection is blocked, syringe falls off, syringe installation error, forgotten operation, low battery, battery runs out, abnormal running state, equipment failure, system power down etc.
Power Source	Three options for power supply: First: 100-240VAC, 50/60Hz; Second: Inverted Li-battery 11.1V, capacity≥1800mAh, 4 hours backup time at the rate of 5ml/h for a fully charged battery; Third: External DC 12V power supply
Connector	DC12V
Drug Library	Up to 500 drugs are provided.
Dimensions	270mm (L) × 210mm (W) × 121mm (H)



BYZ-810

Syringe Pump

BYZ-810 | BYZ-810D



Scan to know more



BYOND 比扬医疗

Service call: +86731-82564299
Email: sale@csbeyond.com
Add: Beyond Zone, Lijiacun Rd, Xueshi Street,
Yuelu District, 410208 Changsha, China

www.csbeyond.com

BYOND 比扬

Pioneer in Life Science

BYZ-810 Serial Syringe Pump



BYZ-810
Simple Mode;
Vol/T Mode;
Vol/W Mode;
Human Voice Alarm System.

BYZ-810D
Add History Record;
Drug Library,
Time Setting Based on BYZ-810.

- Intelligently identify syringe size: 10ml, 20ml, 30ml, 50ml (60ml);
- Alarm combination of human voice, legible words and visual lights;



Easier Operation

> Design as Portable



- Brand-new appearance to provide better visual sensibility;
- Intuitively and clearly display various information through LCD and LED screen;

- Design as One-key Rotary Knob and innovative interactive user interface;
- Multi-pumps combination is allowed to save more space.
- One-key to start Simple mode injection, which enables easier operation;

> Triple-Assemblage



Safer Design

> Dual-CPU



- Lower noise and less vibration are supported by application of motor driver IC imported from German and motor imported from Japan.
 - Compatible with any syringes brand after correct calibration;
 - Comprehensive drug library is able to satisfy various clinical needs.

±3%

Precision

0.1ml/h
1500ml/h

Rate

0.1-
9999.9ml

Cumulative Volume

≥1000

Drug library

Features



Certification

Certified by TÜV Rheinland and EN ISO13485:2016



Pressure Monitoring

3 pressure levels are editable to ensure great injection accuracy.



Dual CPU

Guarantee for safer work.



System Self-test

Safe guardian for every single use; System self-test is conducted every time turning on, including alarm indicator, volume, pressure, air bubbles, etc.



History Record Cassette

Up to 2000pcs records, including operation, alarm and modification; Trackable treatments are ensured.





Experience the
Trace Quality

TWELVE CHANNEL ECG RECORDER
CARDIART 9108



Happier Living Everyday





New ECG
trolley option
available



Twelve Channel ECG Recording

Simultaneous 12 channel ECG recording with 12 lead simultaneous acquisition



High Resolution Foldable Display

5.7 inch high resolution foldable display enables the easy viewing of patient demographics and real time ECG data option



Ease of Operation

The user-friendly design of the machine ensures easy operation



QWERTY Alphanumeric Keyboard

Ensures the freedom of easy use



Easy measurement and Interpretation

Built-in ECG parameters measurement and interpretation



External Archiving

Supports external archiving devices such as USB drive for virtually unlimited ECG data storage



Pace maker detection

This feature ensures recognition of pacing signal artifacts



Print Mode

Different print modes include pre-sample, real-time sample, period sample and arrhythmia triggered sample



Internal Memory

Has an Internal Memory, which can store up to 800 ECG recordings



Built-in Rechargeable Battery

High performance Li-ion rechargeable battery enables mains independent operations and provides battery use after charging



Trolley

Custom trolley available as an option



PC Interface

Interfaces with PC using optional Smart-View software



Enhanced ECG diagnosis made possible with superior trace quality

Product Specifications

General	
Display	5.7 inch single color LCD Display
Weight	approx.5.0kg (11.0 lbs)(Excluding recorder paper and battery)
Dimension	420mmx330mm x105mm
Communication Interface	Ethernet, RS232, USB
Power Supply	
Power Supply	100V-240VAC, 50Hz/60Hz
Battery	Built-In Rechargeable 14.8V, Li-Ion Battery, 2500 mAh
Battery Life	When the battery is fully charged, Cardiart 9108 can work normally about 4 hours, and it can continually print about 1.5 hours in the manual mode or print about 300 ECG reports of 3×4+1R in the auto mode.
Environmental	
Transportation and Storage	Temperature: 20℃~ +55℃ Relative Humidity: 25%-93%,Non-Condensing
Working	Temperature: +5℃ ~ +40℃ Relative Humidity: 25%-80%,Non-Condensing
ECG	
Leads:	12 standard leads
Acquisition Mode:	simultaneously 12 leads
A/D:	24 bits
Resolution:	2.52uV/LSB
Time Constant:	≥3.2s

Introduction

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, SpO2 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 SpO2 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, SpO2, 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, SpO2 Plethysmogram, alarm condition, trend graph, list and system settings, etc.;
- 8) Visual and audible alarm for SYS, DIA, MAP, SpO2 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 SpO2 data;
- 10) Convenient and quick in reviewing measurement data, available for reviewing the NIBP trend graph of 24 hours and SpO2 trend graph of 22 hours.

More information, [click here](#)

Performance

1 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

SYS 40 mmHg~270 mmHg

MAP 20 mmHg~235 mmHg

DIA 10 mmHg~215 mmHg

Pediatric:

SYS 40 mmHg~200 mmHg

MAP 20 mmHg~165 mmHg

DIA 10 mmHg~150 mmHg

Neonate:

SYS 40 mmHg~135 mmHg

MAP 20 mmHg~110 mmHg

DIA 10 mmHg~100 mmHg

2 SpO₂

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.

3 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

4 Safety and Power supply

1)Power supply: rated voltage: ~220 V, rated power: 50 Hz

2)Safety classification: Class I equipment, type BF defibrillation-proof applied part

Accessories

1)User Manual 1pc

2)Power cord 1pc

3)Power adapter 1pc

4)SpO₂ sensor 1pc

5)Adult NIBP cuff 1pc

6)NIBP extension tube 1pc

Physical characteristic

Dimension: 190 mm(L)×162 mm(W)×240 mm(H)

Weight: about 1.6 kg

CONTEC™

Digital Twelve Channel ECG

ECG 1200G



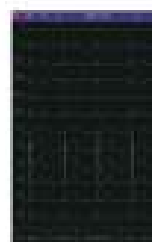
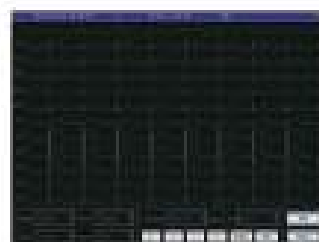
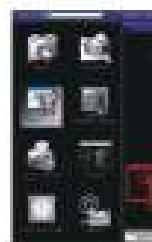
ECG1200G 12-channel ECG is such a kind of electrocardiograph, which gathers 12-lead ECG signals simultaneously and prints out the ECG waveforms with thermal printing system. Its users are mainly hospitals and all kinds of medical establishments.

ECG 1200G

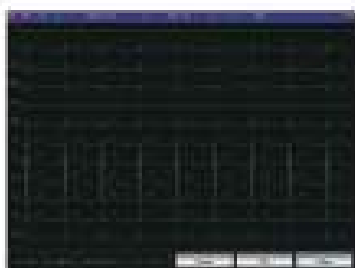
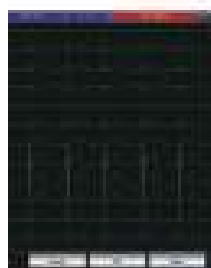
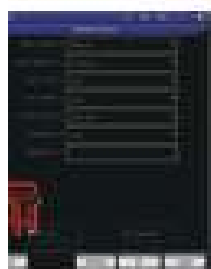
Digital Twelve Channel ECG



User-friendly design tools menu



Powerful computer analysis and management system



Hidden handle

Main characteristic

- 800x600 dots high resolution color LCD
- convenient and quick button setup
- Automatic/manual mode to record and display ECG waveform
- Auto-measure of ECG waveform parameter
- Multiple switchable interface language

Optional function

- Stress ECG analysis software
- ECG—Sync software



ECG 1200G

Technical Specifications	
Input way	Floating and defibrillation protection
Lead	Standard 12 leads
Patient leak current	<10 μ A
Input impedance	\geq 50M Ω
Frequency response	0.05Hz-150Hz (-3dB-+0.4dB)
Time constant	\geq 3.2s
CMRR	> 60dB, > 100dB(Adding filter)
EMG interference filter	25Hz/35Hz (-3dB)
Recording way	Thermal printing system
Specification of recording paper	210mm (W) \times 20m(L) high-speed thermal paper
Paper speed	Auto record: 25mm/s, 50mm/s, error \pm 5% Rhythm record: 25mm/s, 50mm/s, error \pm 5% Manual record: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s, error \pm 5%
Sensitivity selection	2.5, 5, 10, 20, 40mm/mV, error: \pm 5%. Standard sensitivity is 10mm/mV \pm 0.2mm/mV.
Auto record	Record setup according to auto record format and mode, automatically changing leads, measuring and analysing.
Rhythm record	record setup according to rhythm record format and mode, automatically measuring and analysing.
Manual record	record setup according to manual record format, manually changing leads.
Measurement parameters	HR, P-R interval, P Duration, QRS Duration, T Duration, Q-T interval, Q-Tc, P Axis, QRS Axis, T Axis, R(V5) , S(V1) , R(V5)+S(V1)
Product safety type	Class I CF applied part; there is defibrillation and pacing protection circuit in it.
Entering polarization voltage	\pm 500mV
Noise level	\leq 15 μ Vp-p
Size	334mm(L) \times 320mm(W) \times 85mm(H)
Power supply/Frequency	AC: 100-240V, 50/60Hz DC: 14.8V, 3700mAh rechargeable lithium battery

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smiths medical
bringing technology to life

Graseby™ 2000 and 2100 Syringe Infusion Pumps



Infuse safely and simply

GRASEBY™

Graseby™ 2000 and 2100

Whether your patient needs the slow controlled infusion of medication at 0.1ml per hour or a bolus dose of crystalloid, your Graseby™ 2000-series syringe pumps will deliver. You'll appreciate the ease of loading, programming and operating.

If you are not already using Graseby™ syringe pumps, you may still know their reputation for ease-of-use, performance, and value. In operating rooms, intensive care units, and general wards for more than 30 years, Graseby™ infusion pumps are trusted by health-care providers worldwide.

Smiths Medical can support you from implementation to replacement years later when you purchase your next Graseby™ infusion pumps. Smiths Medical's Customer Service and Service & Repair teams apply tested international standards, as you expect from a leading manufacturer.



PATIENT
TUBING
HOLDER

COMPATIBLE
SYRINGE
BRANDS

PROGRAMMABLE
INFUSION RATES
BETWEEN .1 AND
1200 ML/HR

Safe Easy to Use Reliable

- ▶ The four-step simple and quick programming sequence allows clinicians to spend more time with the patient.
- ▶ The on-pump syringe loading guidelines provide clear instructions to clinicians where they need it, at the bedside.
- ▶ The infusion "Total" button provides quick and easy access to information the clinician needs.

PRODUCT CODES

GRASEBY™ 2000 SYRINGE PUMP

PRODUCT CODE	LANGUAGE	VOLTAGE	POWER CORD INCORPORATING:
11D1X100	English	220 - 230	Plug based on BS 546

GRASEBY™ 2100 SYRINGE PUMP

PRODUCT CODE	LANGUAGE	VOLTAGE	POWER CORD INCORPORATING:
12D1X100	English	220 - 230	Plug based on BS 546

SPECIFICATIONS

Weight	2.1kg (approximately, including pole clamp)	
Dimensions	307mm x 133mm x 128mm (not including pole clamp)	
AC Power Supply	220-230V or 110-120V, 12VA (not user adjustable) at 50-60Hz	
Battery Type	Rechargeable 12V DC Nickel Metal Hydride (Ni-MH)	
Battery Life	Typically 4 hours at 5mL/h	
KVO Rate	0.5mL/hr (continuous mode, not VTBI)	
Programming Range		
Infusion Rate	0.1mL/h to 1200mL/h dependent on syringe size	
Volume To Be Infused (VTBI)	0.1mL to 9999mL	
Occlusion Sensing – Pressure Levels		
Low (L)	300mmHg ± 100mmHg	40.0kPa ± 13.3kPa
Medium (C)	500mmHg ± 100mmHg	66.7kPa ± 13.3kPa
High (H)	800mmHg ± 200mmHg	106.7kPa ± 26.7kPa
Drive Accuracy	±2% (Linear Accuracy)	

GRASEBY™ 2100 PUMP BODY WEIGHT MODE SPECIFICATIONS

Mass Units	mcg/kg/min or mg/kg/hr
Body Weight	0.1kg to 300 kg
Drug Mass	0.1mg to 999.9mg
Solution Volume	0.1mL to 999.9mL

WIDE RANGE OF COMPATIBLE SYRINGES

The Graseby™ 2000 range of syringe pumps support a wide variety of syringe sizes and brands including major manufacturers and selected local brands. The pumps also provide automatic sensing of 20mL, 30mL and 50mL syringes.

SYRINGE BRANDS

APEXMED	20mL, 50mL
AYSET	20mL, 50mL
B.BRAUN OMNIFIX	50mL
BD PLASTIPAK	20mL, 30mL, 50mL
FRESENIUS INJECTOMAT	50mL
NIPRO	30mL, 50mL
POLFA	20mL
ROMSONS JUNIOR	50mL
TERUMO	20mL, 30mL, 50mL
UNOLOK	20mL, 50mL

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Find your local
contact information at:
[www.smiths-medical.com/
customer-support](http://www.smiths-medical.com/customer-support)

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smiths medical

Syringe Infusion Pumps



SELECT BUTTON
TOTAL BUTTON
BOLUS BUTTON

BODY
WEIGHT
MODE

ON-PUMP
SYRINGE
LOADING
GUIDELINES

3 ADJUSTABLE
OCCLUSION
PRESSURE
SETTINGS



GRASEBY™ 2000 PUMP

POST-OCCLUSION BOLUS REDUCTION

Minimizes the potential post-occlusion bolus by reducing the pressure in the patient tubing

PATIENT TUBING HOLDER

Reduces the risk of accidental syringe displacement if the patient line is inadvertently pulled or caught

VISUAL AND AUDIBLE ALARMS

Promote clinician awareness and prompt intervention when necessary

TWO-STEP POWER-OFF SEQUENCE

Designed to prevent the pump from inadvertent power down during infusion

KEEP VEIN OPEN (KVO) FUNCTION

Helps maintain vascular access while the clinician changes the infusion

AC POWER WITH BATTERY BACKUP

Ensures the infusion continues without interruption in the event of AC power failure

BODY WEIGHT MODE (GRASEBY™ 2100 PUMP ONLY)

Ideal for anesthesia and pediatric needs, the body weight mode allows programming in mass units and automatically calculates the infusion rate.

General Features

- 12 Lead ECG Synchronous Sampling System
- Modern in Design, Light in Weight, Compact in Size
- Simultaneously Acquisition of 12 Lead, Full Screen Display of 12 Channel ECG Waveforms
- Thermal Printer With 216mm Print Paper, Synchronization Print, it is High Resolution Thermo Sensitive Printer and Thermal-Array (8 Dots/mm), You Should not Adjust Anything Frequency Response is up to 150Hz
- 10.2" Colour Touch-Screen, Both Push-Button and Touch Operation
- Sensitive Filters of ADS, HUM and E MG
- Automatic Measurement, Calculation, Analysis, Waveform Freezing
- Support USB Flash Disk & SD Memory
- Data Transmitting to PC via RS232/USB (ECG Workstation Software)
- Patient's Information can be Input
- Historical Data can be Reviewed and Printed
- The Machine can Store Over 500 ECG Reports in its Built-in Flash
- Built-in Rechargeable Lithium-ion Battery, AC/DC Power Conversion
- Sleep Mode to Save Energy and Extend LCD Life
- The Device can Record Real Time Clear and Exact 12 Channel ECG Waveform and Remark Continually, the Remark Includes: Lead Sign, Sensitivity, Paper Speed, Filter State, etc.
- Portable Design with Hidden Handle, Convenient to Carry
- Lead Off & Lack Off Paper Detection Function
- 7 Level Printing Thickness Adjustable
- Adapt To 110-230v 50/60Hz AC Power Supply

Technical Specification

- Input Mode: Floating and Defibrillation Protection
- Voltage Tolerance: $\pm 500\text{mV}$
- Frequency Response: 0.05Hz~ 150Hz (-3dB*+0.4dB)
- CMRR: 2100dB (With AC filter) || Time Constant: 2 3.2s
- Patient Leak Current: $<10\mu\text{A}$ || Calibration Voltage: 1mV $\pm 3\%$
- Sensitivity: 5, 10, 20 mm/mV $\pm 5\%$, Standard Sensitivity: 10mm/mV $\pm 2\%$
- Noise Level: 15 Vp-p || Input Circuit Current: 5 0.14A
- Input Impedance: 250MM || Resolution: 12-bit/1000 Hz
- Recording Mode: High Resolution Thermal Printing System
- Auto Record: Set Record According to Auto Record Format and Mode, Auto Switching Leads, Measuring and Analysing
- Manual Record: Set Record According to Record Format, Manually Switching Leads
- Filter: AC, ECG Filter || Drift Filter: Anti-Drift System
- Paper Speed Auto: 25, 50mm/s $\pm 3\%$
- Power Supply AC: 100V ~ 240V(50/60Hz), DC: 11.1V/3800mAh Rechargeable Lithium Battery
- Fuse Specification: AC Time Lag Fuse ($\phi 5 \times 20\text{mm}$), T1.6AL 250V
- Dimension: 360mm x 250mm x 68 mm



FEATURE :

- 5 standard parameters: ECG, SPO2, I.TEMP
- Real time S.T segment analysis and ARR analysis.
- Multi-display selectable including standard, large font.
- trend OxyCRG dynamic
- Multi 7-lead ECG waveforms display in phase. And capture dynamic waveforms.
 - Large volume of tabular and graphic trends information storage and easy to recall
- Efficient resistance to interference of defibrillator and HF knife.
- up to 2 hours working capacity of built-in rechargeable battery.

SPECIFICATIONS :

- ECG
- ECG: Lead mode: 3 lead
- Waveform: 3 and 7 channel selectable
- Heart rate range: Adult: 15-300bpm;
- Neonate:/pediatric: 15-350bpm
- Alarm range:
- Arrhythmia analysis: 'YES'
- SPO2:
- Measurement range: 0-100%
- Resolution: 1%
- Accuracy: unspecified
- Alarm
- Pulses Rate

- NIBP:
- Method: Digital Automatic oscillometry
- Operation mode :
- Manual/Automatic/continuous
 - Over-pressure protection: Double safety protection
- Alarm: Systolic/Diastolic, Mean

- RESPIRATION:
- Method: Thoracic impedance between (RA-LL)
- Measurement range: Adult: 7-120rpm;
- Neonate/Pediatric: 7-150rpm

- TEMPERATURE:
- Compatible probe: YSI or CYF
- Measurement range: 5-50 °C
- Resolution: 0,1 °C
- Accuracy: +0,1



ECG-03

Three Channel ECG



5.7" Color Screen

Touch Operation

Mass storage Device

USB & SD Memory

JPG/PDF Reports

PC Review & Print



ECG-03

Three Channel ECG

Functional Characteristics

- 12 lead ECG synchronous sampling system.
- Thermal printer with 80mm print paper, synchronization print.
- 5.7" color touch-screen, both push-button and touch operation.
- Automatic measurement, calculation, analysis, waveform freezing.
- Support USB flash disk & SD memory.
- Data transmitting to PC via RS232/USB.
- Patient's information can be input.
- Historical data can be reviewed and printed.
- Built-in rechargeable li-ion battery, AC/DC power conversion.
- Sleep mode to save energy and extend LCD life
- Portable design with hidden handle, convenient to carry.
- Lead off & lack off paper detection function.
- 7 level printing thick can be chosen.
- Adapt to 110-230V, 50/60Hz AC power supply



Product Features



Touch Mode



Quick Input



Convenient Setting



Unlimited Storage

Technical Index

CMRR	≥ 100dB, with AC Filter	Calibrating voltage	1mV± 3%
Input circuit	Floating, Protection against defibrillator effect	Voltage tolerance	± 500mV
Input circuit current	≤ 0.1 μA	Time Constant	≥ 3.2s
Resolution	12bit/1000Hz	Frequent response	0.05Hz~150Hz
Operation mode	Manual/Auto	Noise level	≤ 15 μVp-p
Filter	AC, ECG Filter	Threshold	≤ 20μ V
Drift filter	Anti-Drift System	Paper speed	25, 50mm/s (± 3%)
Input impedance	> 50MΩ	Sensitivity	5, 10, 20mm/mV
Patient current leakage	≤ 10μ A	Recorder	High resolution thermal printer
Specification of fuse	T1.5A 250V @5×20	Battery	Li-ion Battery(11.1V,3800mAh)
Recording paper	Thermal recording paper	Dimension	360mm×250mm×68mm