



Care your concern



The World-class Quality Medical Pumps

Build Quality , Build Reliability



Sino Medical-Device Technology Co., Ltd.

Add: 6th Floor, Building 15, No.1008, Songbai Road, Nanshan District, Shenzhen, P.R. China

Tel: +86 755 26755692 Fax: +86 755 26755687 Zip: 518055

Http://www.sinomdt.com Email: info@sinomdt.com

Hotline: (+86)4008 860121

Sino Medical-Device Technology Co., Ltd.

www.sinomdt.com

This document is for reference only, please refer to product user manual for detail, products update without notice.

(V3.4)



Sino Medical-Device Technology Co., Ltd (SINOMDT) located in Shenzhen, is a National high-tech company in China, and famous in medical pumps sector and other medical devices.

SINOMDT invest more than 15% annual revenue and 1/3 of all staff engaged in R&D, has powerful R&D capabilities in the medical devices industry. In the field of medical pumps has been authorized 1 PCT, 5 national invention patents and around twenty utility model and design patents, has more than twenty types of medical pumps, including syringe pumps, infusion pumps, nutrition pumps, infusion monitoring system, and the first infusion station systems in China.

SINOMDT uphold the "Build quality, Build reliability" concept, the goal is to become a world-class medical device manufacturer, the company has passed ISO13485 and ISO9001, a number of products has CE certificate issued by TUV SUD, with an annual output ability to tens of thousands of high-quality medical pump. Up to now, SINOMDT's products have been serving more than 70 countries and regions, and obtain the trust of customers around the world.

SN-50C6
SN-50C66(R)
Syringe Pump



SN-50C6T
SN-50C66T(R)
Syringe Pump



SN-50F6
SN-50F66(R)
Syringe Pump



SN-50T66
SN-50T66(R)
Syringe Pump



SN-T1(R)
SN-T2(R)
SN-T3
Syringe pump



SN-1500H(R)
Infusion pump



SN-2000V(R)
Infusion pump
(Half-extrusion)



SN-1600V(R)
Infusion pump



SN-1800V(R)
Infusion pump



SN-H10
Infusion Warmer

SN-600N(R)
Enteral Nutrition Pump



Infusion Station



SN-M100
Infusion Monitoring
System





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SN-50C6/SN-50C66(R) Syringe Pump

SN-50C66R supports wireless communication function



Easy to use, high quality syringe pump

Accurate: Calibrating automatically, compatible with all brands of syringes

Safety: Patented technology, automatically alarm when needle off

Durable: Battery endurance more than 6 hours (at 5ml/h)

Easy: Multi-direction for fixation

Flexiable: Support vehicle with 12V DC power

Smart: With built-in wireless communication module, provides smart networking and management function (SN-50C66R)



The above features applicable for all modes of syringe pumps.

SN-50C6T/50C66T(R) Syringe Pump

SN-50C66R supports wireless communication function



Weight-mode LCD screen

1. Calculating the delivery rate quickly and accurately
2. It can be used as SN-50C6 if close the screen

With built-in Drug library

Support 14 languages



RS232 interface, 12V DC interface, Nurse calling interface

Portable structure

Easy-carried

Anti-slip mat at the bottom

Stable to placement

Multi-direction clamp for fixation

Vertical pole installation



Multi-direction clamp for fixation

Horizontal pole installation





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SN-50F6/SN-50F66(R) Syringe Pump

SN-50F66R supports wireless communication function



Easy to use, high quality syringe pump

Accurate: Calibrating automatically, compatible with all brands of syringes

Safety: Patented technology, automatically alarm when needle off

Durable: Battery endurance more than 6 hours (at 5ml/h)

Easy: Multi-direction for fixation

Flexible: Support vehicle with 12V DC power

Smart: With built-in wireless communication module, provides smart networking and management function (SN-50F66R)

Dual-channel

Dual color design distinguishes the two channels easily



Idle channel sleeping mode

Saving battery, no interference with the other channel

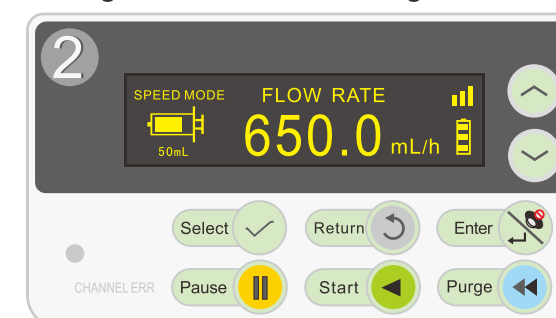
Multi-direction clamp for fixation

SN-50T66(R) Syringe Pump

SN-50T66R supports wireless communication function



OLED high definition and brightness display



Providing "Flow Rate" "Time" and "Body Weight Mode"

Portable design

Easy-carried

Triple-channel

Syringe and operation panel are located on the same level to provide accessibility.





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SN-T1(R)/T2(R)/T3 Syringe Pump

SN-T2R syringe Pump support wireless connection



Portable design, <500g!

Portable: <500g, easy to carry with patient

Flexible: Support 5mL/10mL/20mL/30mL/50mL/60mL syringes

Powerful: T1: Work in Speed mode, Time mode, Body-weight mode, with Drug library and PCA function

T2: Work in Speed mode, Time mode, Body-weight mode, with Drug library

T3: Work in Speed mode, Time mode

Durable: Battery is more durable for 8 hours

Intelligent: Support syringe calibration, support wireless connection

Safe: With pressure and displacement sensor, Press-to-Lock keyboard, injection more safe

Easy to install, easy to use



Small, Light, Portable!



Detachable fixation clamp



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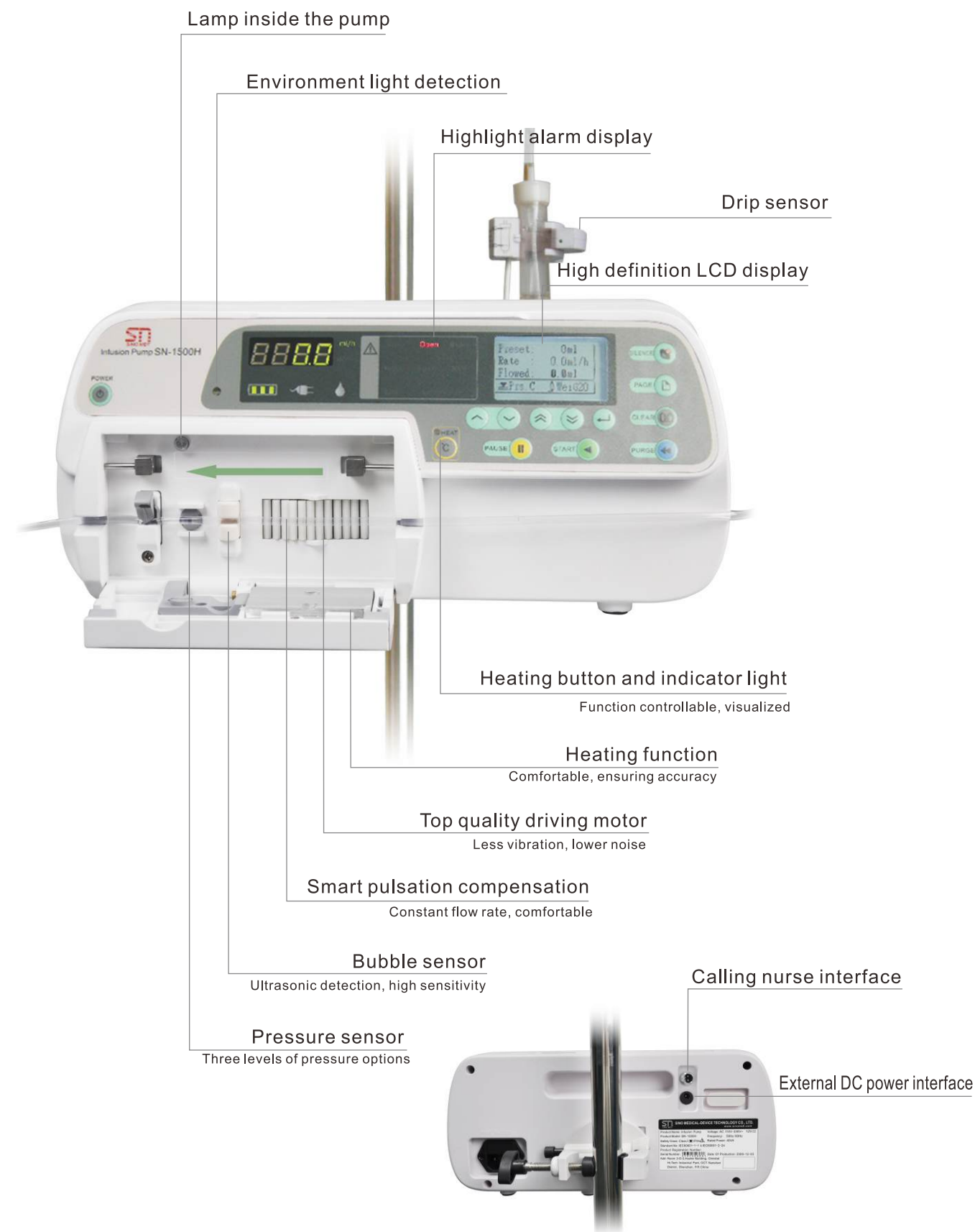
SN-1500H(R) Infusion pump

SN-1500HR supports wireless communication function



Easy to use, high quality infusion pump

- Elegant:** Horizontal structure, effectively prevent liquid penetration into the pump; it can be fixed on the pole, or placed on the desk.
- Accurate:** Smart pulsation compensation, the actual flow rate is more uniform, the infusion process more comfortable
- Comfortable:** The heating function makes the infusion comfortable and accurate.
- Quiet:** Top quality driving motor, less vibration, lower noise
- Secure:** Dual-CPU monitoring, more secure
- Humanization:** Night working lamp, humanization design
- Convenient:** Four types of infusion mode, convenient for operation.
- Smart:** With built-in wireless communication module, provides smart networking and management function (SN-1500HR)



SN-1600V(R) Infusion Pump



Smart SPACE Infusion Pump

Accurate: Patent algorithm on smart pulsation compensation, more accurate and stable

Quiet: Top quality driving motor, less vibration, lower noise

Safe: Dual-CPU monitoring, more secure

Convenient: Support speed mode, drip mode

Endurance: Battery endurance more than 8 hours (at 25ml/h)

Smart: Support wireless communication, smart wireless management (SN-1600VR)

SN-1800V(R) Infusion Pump



Smart SPACE Infusion Pump

Accurate: Patent algorithm on smart pulsation compensation, more accurate and stable

Quiet: Top quality driving motor, less vibration, lower noise

Safe: Dual-CPU monitoring, more secure

★ **Powerful:** Support speed mode, drip mode, body weight mode, time mode and infusion plan

Endurance: Battery endurance more than 8 hours (at 25ml/h)

Smart: Support wireless communication, smart wireless management (SN-1800VR)



SN-2000V(R) Infusion Pump

Half-extrusion works, the infusion material damage less

Safe: Half extrusion works, the infusion material damage less

Accurate: Patent algorithm on smart pulsation compensation, more accurate and uniform

Smart: Support wireless communication, smart wireless management (SN-2000VR)

Humane: Night-time lighting, considerate human design

Convenient: Five infusion mode, easy to use



SN-600N(R) Enteral Nutrition Pump

Transparent pump door, visible infusion process

Convenient: Transparent pump door; The cam can be detached for clean

Compact: Elegant streamline design, weight only 1.3kg

Safe: Status light on top, flow rate can be calibrated, waterproof outlet

Smart: Bionic intermittent output, wireless communication, adjustable alarm sounds





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SN-H10 Infusion Warmer



Intelligent control the temperature

Safe: CPU control, real-time show temperature, alarm at abnormal, accurate and safe

Intelligent: Use 2 set of independent temperture sensor to ensure work safely



SN-U1 Infusion Stand

Elegant design, stainless steel quality, for High quality stainless steel, beautiful and durable, height adjustable single hand

Quality: Stainless steel pipe never rust, and antiaging materials for long service life

Smart: Knob for single hand adjust the height of the infusion stand

Flexible: Foot wheel with brake function

Longer: The lower bracket tube length is longer than the average length

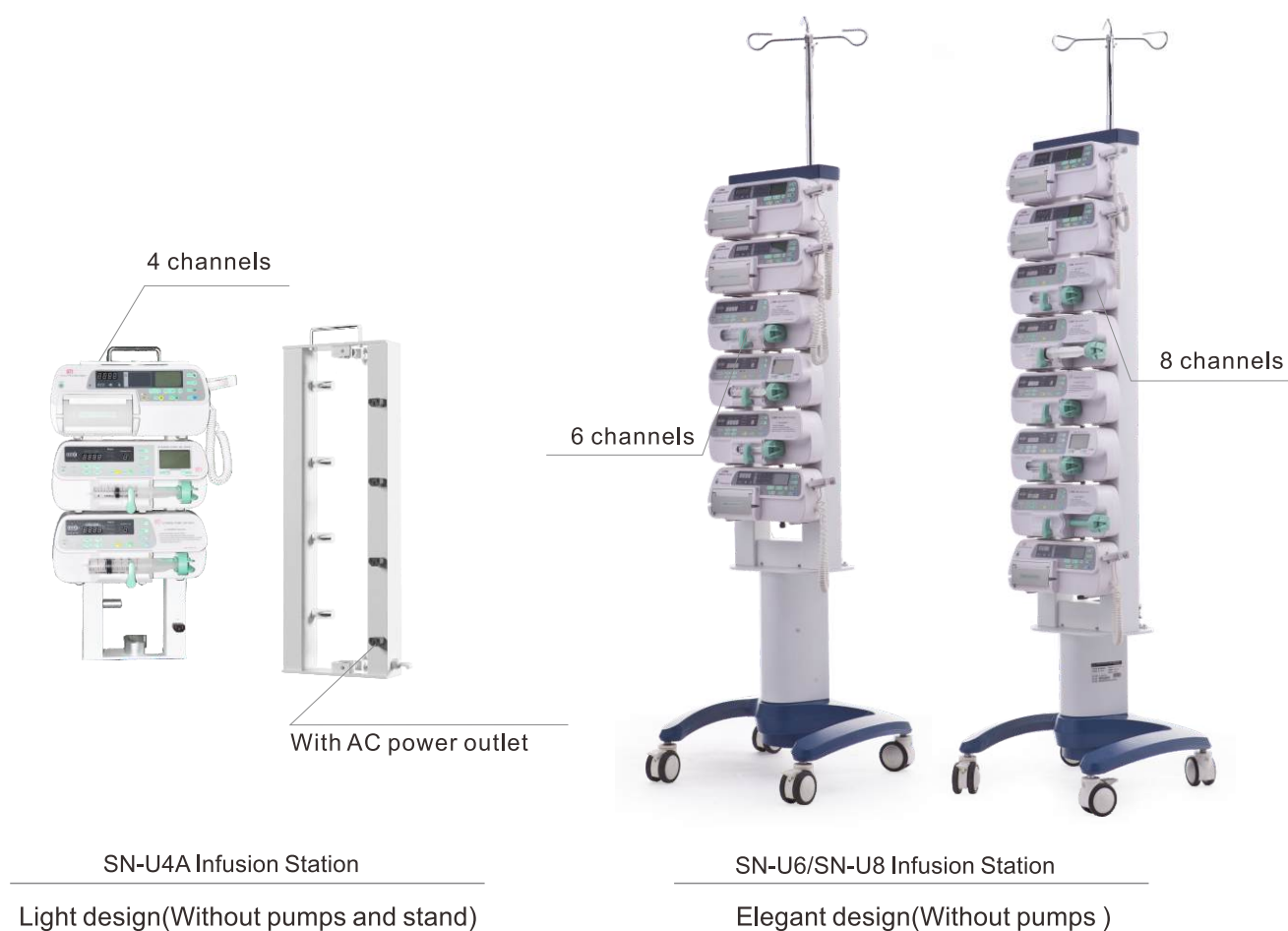


SN-U1
Infusion Stand

Infusion Station/Infusion Stand

Integrate Infusion and Syringe Pumps into One System

- Safe:** Power supplied by one unified power cord, more secure
- Convenient:** Easy to install, convenient for operation and maintenance
- Centralized:** Up to 8 pumps can be installed in one system, save space greatly(4/5/6/7 pumps for option)
- Multi-functional:** With infusion pothook, support different infusion equipments at the same time
- Economical:** compact design, compatible with a variety of infusion supports, significantly reduce the cost

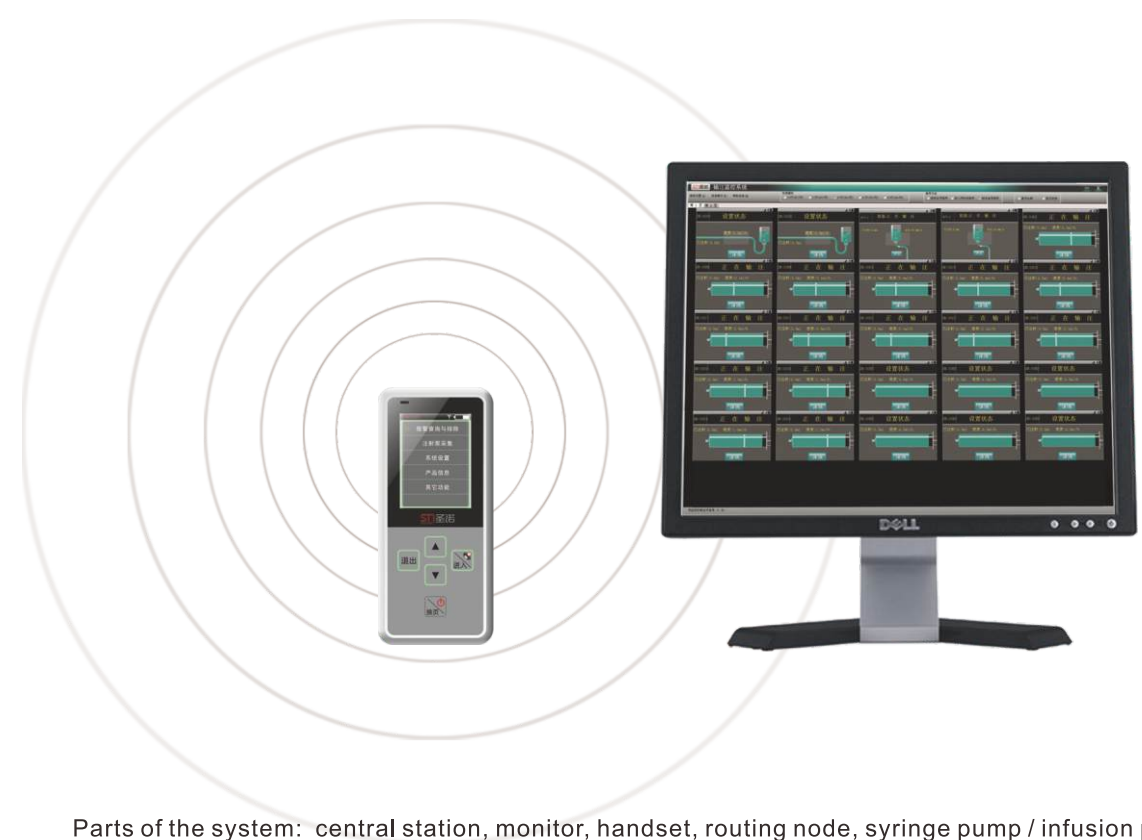


SN-M100 Infusion Monitoring System

Intelligent Infusion Monitoring System

- Intelligent:** Real-time intelligent monitoring, easy to master infusion state
- Powerful:** Managing up to 500 syringe pumps or infusion pumps at the same time
- Accessible:** Wireless communication, easy access to each patient-bed
- Convenient:** Graphical user interface, easy for remote monitoring

In the past, you have to shuttle in a number of patient-beds from time to time to get the latest infusion state of each pump, but now, you can simply glance at the monitor or the handset, and everything is under your eyes!



SN-T1(R)/SN-T2(R)/SN-T3

Syringe Pump ISO13485

CE

0123

Specifications:

Items	Parameter
Syringe	5,10, 20, 30, 50/60 mL of calibrated syringes
Flow rate	0.1mL/h~ 1800mL/h
Accuracy of infusion	±2% ~±5%
Bolus rate	5.0mL/h~ 1800mL/h
Delivered volume	0.1mL~ 9999mL
History records	1000PCS
Delivery limit	0.1mL~ 9999mL
KVO rate	0.1mL/h~ 5.0mL/h
Syringe Specification	30 brands of syringe
Occlusion detection pressure	H,C,L
Alarm sound level	Adjustable—3 levels
Button sound	Adjustable—3 levels, can be on/off
Working mode	T1: Work in Speed mode, Time mode, Body-weight mode, with Drug library and PCA function T2: Work in Speed mode, Time mode, Body-weight mode, with Drug library T3: Work in Speed mode, Time mode
Other function	PCA(SN-T2R), Display of remained volume
Communication	Wireless with computer (SN-T2R)
Power	Support more than 10 hours at the flow rate 5ml/h
Power supply	DC 12V
Battery	2X9V dry battery
Voltage	12VA
Working condition	Relative humidity: 20% ~ 80%; Ambient temperature: +5°C ~ +40°C; Ambient pressure: 76kPa ~ 106kPa。
Weight (with clamp)	0.5kg

Function

Dual-CPU monitoring function	KVO function
Preset volume	Abundant optic and sound alarm
Syngce calibration	External DC power interfere
Automatic identification of syringe specifications	Wireless communication function(SN-T1R/T2R)
3-level occlusion alarm limits setting	Fast rate control
Automatic slow impact dose release after occlusion	Preset volume
Display of remained volume	Independently PCA button with extension wire
Key-lock function	1000 history records
Delivered volume	

SN-1500H/SN-1500HR

Infusion Pump ISO13485

CE

0123

Specifications:

Items	Parameter
Flow rate	0.1~1500 mL/h (0.1 mL/h step, if the value is 100 mL/h or above, the step is 1mL/h)
Bolus rate	600~1000 mL/h (Adjustable)
KVO rate	0.1~5 mL/h (Adjustable)
Occlusion accuracy	'H': 900±200 mmHg (120.7±26.7 kPa) 'C': 500±100 mmHg (66.7±13.3 kPa) 'L': 100±50 mmHg (13.3±6.6 kPa)
Accuracy of infusion	≤±5%(≤±3% for calibrated infusion apparatus)
Bubble detector	Ultrasonic detection method, detection sensitivity: 25μl
Infusion history records	1500 pcs
Preset volume	1~9999 mL
Display range of totally delivered volume	0~9999 mL(0.1 mL step, if the value is above 100 mL, the step is 1 mL)
Alarms	'Finish infusion', 'Occlusion', 'Bubble', 'Door open', 'Power Supply Breakdown', 'Battery low', 'Battery exhausted', 'No Operation', 'System error', 'Not-calibration', 'KVO complete', 'Drip sensor abnormal'
Power	AC110~230V, 50/60 Hz , Inner battery: DC12 V,2300mAH In fully charged status, the device can working for more than 6 hours at the rate of 25mL/h (containing the time of battery low. Larger battery volume is optional) Outside DC power supply: DC 12V
Operation conditions	Ambient temperature: +5°C ~+40°C, Relative humidity: 20% ~ 90%, Ambient , pressure: 86~ 106KPa
Storage conditions	Ambient temperature: -20°C ~ +55 °C,Relative humidity: ≤95%
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation
Water proof level	IPX4
Communication (Option)	(1) Cable - Serial RS232 (2) Wireless communication - zigbee
Infusion mode setting	Rate mode,drip mode , weight mode and time mode. two groups of infusion program can be set under 'rate mode' and 'drip mode' .
Infusion rate	3 mode: Drip/min, mL/h, time/volume
Weight	2.5kg (with clamp base)
Dimension	308mm (Width)×140mm (Height)×144mm (Depth)
Scope of application	With the pressure generated by the infusion pump to control the injected flow rate and delivery volume of liquid (medicine, intravenous nutrition) to the patient
Infusion apparatus	Can save 6 brands of Infusion apparatus , the infusion accuracy can reach ±3% after calibration.
Contraindications	This product is not available for blood transfusion

Function

Tube heating function	3-level occlusion alarm limits setting	Night inner lighting function	External DC power interfere
Dual-CPU monitoring function	Ultrasonic bubble detection	Waterproof design	AC and internal power indication
Abundant optic and sound alarm	Infusion apparatus calibration	Detection of drip sensor	Standard RS232 interfere
Body-weight mode conversion	Calling nurse interfere	Fast rate control	1500 history records
Pressure dynamic display	KVO function	Smart pulsation compensation function	
Multi-direction clamp for either horizontal or vertical fixation		Wireless communication function(SN-1500HR)	

SN-2000V/SN-2000VRInfusionPump

Specifications:

Items	Parameter
Flow Rate	From 1 to 1200 ml/h (0,1 ml/h step, ifvalueis 99,9 ml/h or abovestep of 1 ml/h)
Bolus Rate	From 200 to 1000 ml/h (adjustable)
KVO Rate	From 1 to 5 ml/h (adjustable)
Occlusion Alarm Level	10 levels with highest (10)900±200mmHg (120±26.7kpa) and lowest (1)100±50mmHg(13.3±6.6kpa).
Accuracy of Infusion	±5%
Bubble Detector	Ultrasonic dection method, sensitivity: 25µl
History record	1500 pcs
Delivery Limit	From 0 to 9999 ml
View and display of the volume of infusion and resolution	From 0 to 9999 ml (0,1 ml step, if the value is above 100 ml, the step is 1 ml)
Alarms	'Finish Infusion', 'No calibration','Occlusion', 'Bubble', 'Door Open', 'Power Supply Breakdown', 'Battery low', 'Battery exhausted','Over limit speed', 'No Operation', 'System error', 'KVO complete', 'Drip sensor abnormal'.
Power	AC110≈230V, 50/60 Hz, Inner Battery: DC12V, 2300mAH In fully charged status, the device can work for more than 8 hours at the rate of 25 ml/h.(Containing the time of battery low) Outside DC powersupply: DC12V
Operation condition	Ambient temperature: +5℃ ~ +40 ℃C. Relative humidity: 20% ~ 90%.
Transportation and storagecondition	Ambient temperature: -20℃ ~ + 55 ℃C Relative humidity: ≤ 95%
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation.
Water proof protection	IPX4
Communication (option)	(1) Cable serial RS232 (2) Wireless communication
Infusion Mode Setting	Rate mode, dripmode, weight mode, time mode, Infusion Plan.
Infusion Rate	3 mode: drip/min, ml/h, time/volume.
Weight	1,8 Kg (with clamp base)
Dimension	129mm (widht)x125 (depth)x215 (height)

Function

Ducal-CPU monitoring function	Night inner lighting function	Setting the system time	Smart pulsation compensation function
Infusion set calibration	Fast rate control	Wireless communication function	Pressure dynamic display
Detection of dripping number	Water proof design	10-level occlusion alarm limits setting	12V DC power supply
"Purge" button activate safe protection	Abundant optic and sound alarm	Ultrasonic bubble detection	KVO rate adjustable
AC and internal power indication	Key tone can be set to mute	Calling nurse interface	Infusion indicator can close or open
Standard RS232 interface	Clamp lock, easy installation	1500 history records	Five infusion mode
Drip sensor can be pluggable, optionable			

SN-600N/SN-600NR Enteral Nutrition Pump

Specifications:

Items	parameter
Flow Rate	1 ml/h~600 ml/h
Preset Volume	0 ml~9999 ml
Display range of totally delivered volume	1 ml~9999 ml
Accuracy	±5%
Bolus rate	3 levels: 200 ml/h, 400 ml/h, 600 ml/h (adjustable)
Automatic calibration	This unique design can adjust the flow accuracy automatically for nutrition solution with different viscosity
Occlusion accuracy	500±200mmHg
Alarm volume	3 levels
Keypad sound	Key tone can be set to mute, the volume has 3 levels
History recording	1500pcs
Communication with computer	Wireless communication (SN-600NR)
Power supply	AC 100V-240V, 50HZ / 60HZ
Inner battery	12V NiH 800mAh
Battery endurance	The device can work for more than 5 hours at the rate of 25ml/h after full charge. It takes 10 hours for fully charge with the device shut down
Power consumption	11 VA
Operation condition	Ambient Temperature: ±5℃ ~ ±40℃ relative humidity 20% ~ 90%, Ambient pressure: 76.0kPa ~ 106.0kPa
Water proof level	IPX4
Dimension	146 mm (width)X199.5mm (height)X114mm (depth)
Weight	1.3kg (including the clamp base)
Electric shock protection class	Class I , type CF

Function:

DUAL-CPU monitoring function	USB connector	1500 history records
Adjust the flow accuracy by the way of volume calibration	Water proof design for the whole device	Wireless communication (SN-600NR)
Detection of dripping number	Abundant optic and sound alarm	Infusion status light can be on/off
Key lock function	The key tone can be set to mute	Infusion set flushing function
Power supply status	System time setting	Bionic intermittent output

SN-H10 Infusion warmer

ISO13485  0123

Specifications:

Items	Parameter
Heating Temperature Range	35.0℃~42℃ (95.0 ℃~107.6 ℃), increment: 0.1℃/step(0.2 ℃/step) Please set temperature base on the clinical condition. Recommended temperature range:30℃~36℃.
Accuracy of Controlled Temperature	±1℃(±1.8℉)
Adjustable unit	℃/℉
Heating Time	<2 Minutes
Protected Temperature	48℃/123℉
Alarm	High temperature alarm Low temperature alarm System error Heating prompt Door open
Display	LED
Power Supply	100-240V ~ 50/60Hz
Maximum Power	85VA
Operating Condition	Ambient Temperature: 5℃ ~ 30℃ Relative humidity: 20%~80% Atmospheric pressure: 76.0kPa ~ 106kPa
Storage Condition	Ambient Temperature: -20℃ ~ 55℃ Relative humidity: 10%~93% Atmospheric pressure: 50.0kPa ~ 106kPa
Type	Class IIb,Continuous operating equipment
IP Class	IPX1
Size(mm)	77mm (W) × 178mm (H) × 37mm (D)
Weight	0.25kg
Application	1. Routine transfusion 2. Low flow rate infusion in ICU 3. Transfusion exchange 4. High calorie infusion 5. Blood warming device

SN-Unicare Infustation

Functions

- SN-50C6 / SN-50C6T syringe pumps and SN-1500 serial infusion pumps can be integrated into different channel of pumps according to the requirements
- Hanging infusion equipment such as infusion bags, and nutrition bags Install other equipment compatible with this product

Features

Specifications

Power: AC 110~230V, 50/60Hz

Dimensions	Model	Description	Dimension (Without infusion pothook)	Weight	Remark
	SN-U8	Capable for 8 pumps	1690mm(height)×530mm(width)×550mm(depth)	21Kg	
	SN-U6	Capable for 6 pumps	1550mm(height)×530mm(width)×550mm(depth)	20Kg	
	SN-U4	Capable for 4 pumps	1260mm(height)×530mm(width)×550mm(depth)	18Kg	
	SN-U6A	Capable for 6 pumps	930mm(height)×235mm(width)×70mm(depth)	3.8Kg	No stand
	SN-U4A	Capable for 4 pumps	645mm(height)×235mm(width)×70mm(depth)	2.8Kg	No stand

SN-M100 Infusion Monitoring System

Functions

- The system collects the real-time information of syringe pumps and infusion pumps through the wireless communication.
- The monitor displays the real-time infusion state of the syringe pump and infusion pump in the system, including: syringe size, flow rate, delivered volume, bed number, pre-set volume, and alarm information.
- The handset simultaneously displays the infusion information in the system

Networking diagram

