



Care your concern



## The World-class Quality Medical Pumps

Build Quality , Build Reliability



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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
- Flexible:** Support vehicle with 12V DC power
- Smart:** With built-in wireless communication module, provides smart networking and management function (SN-50C66R)



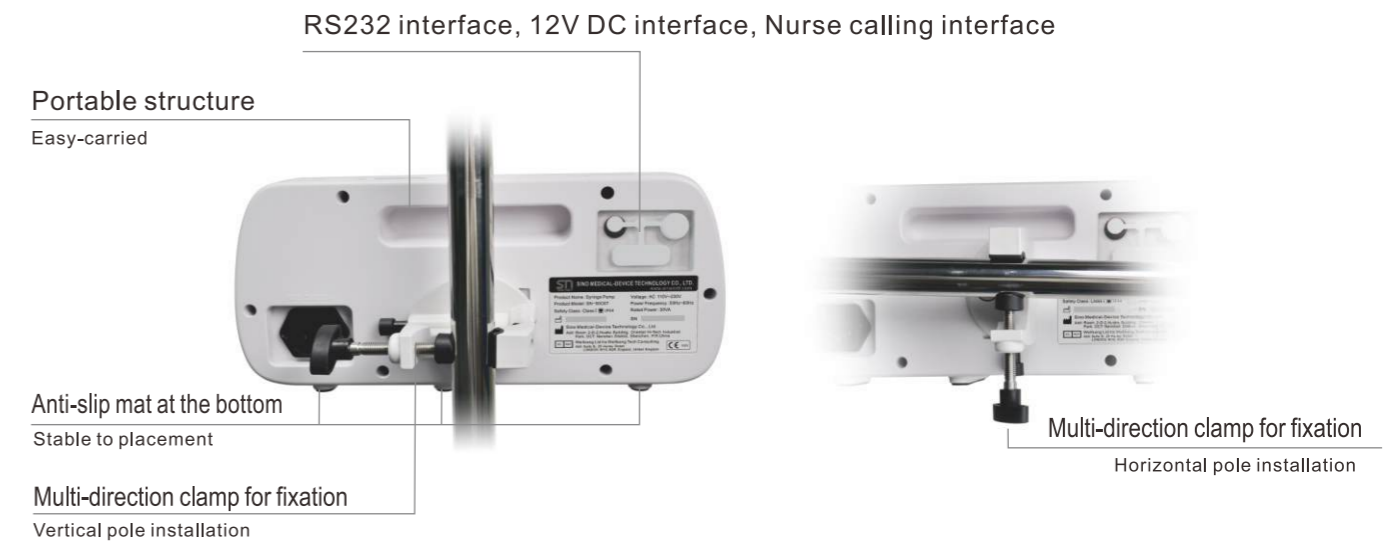
The above features applicable for all modes of syringe pumps.

# 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







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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

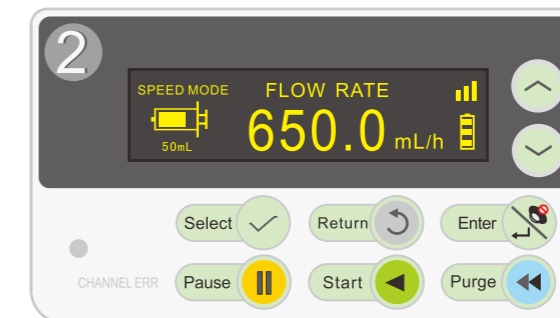
**Smart:** With built-in wireless communication module, provides smart networking and management function (SN-50F66R)

## 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"



Idle channel sleeping mode

Saving battery, no interference with the other channel

Multi-direction clamp for fixation

Dual-channel

Dual color design distinguishes the two channels easily



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

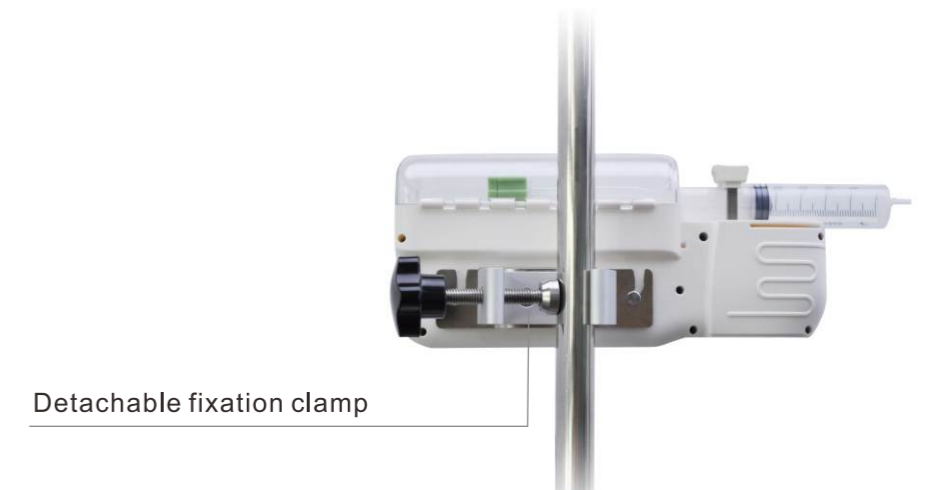
**Intelligent:** Support syringe calibration, support wireless connection

**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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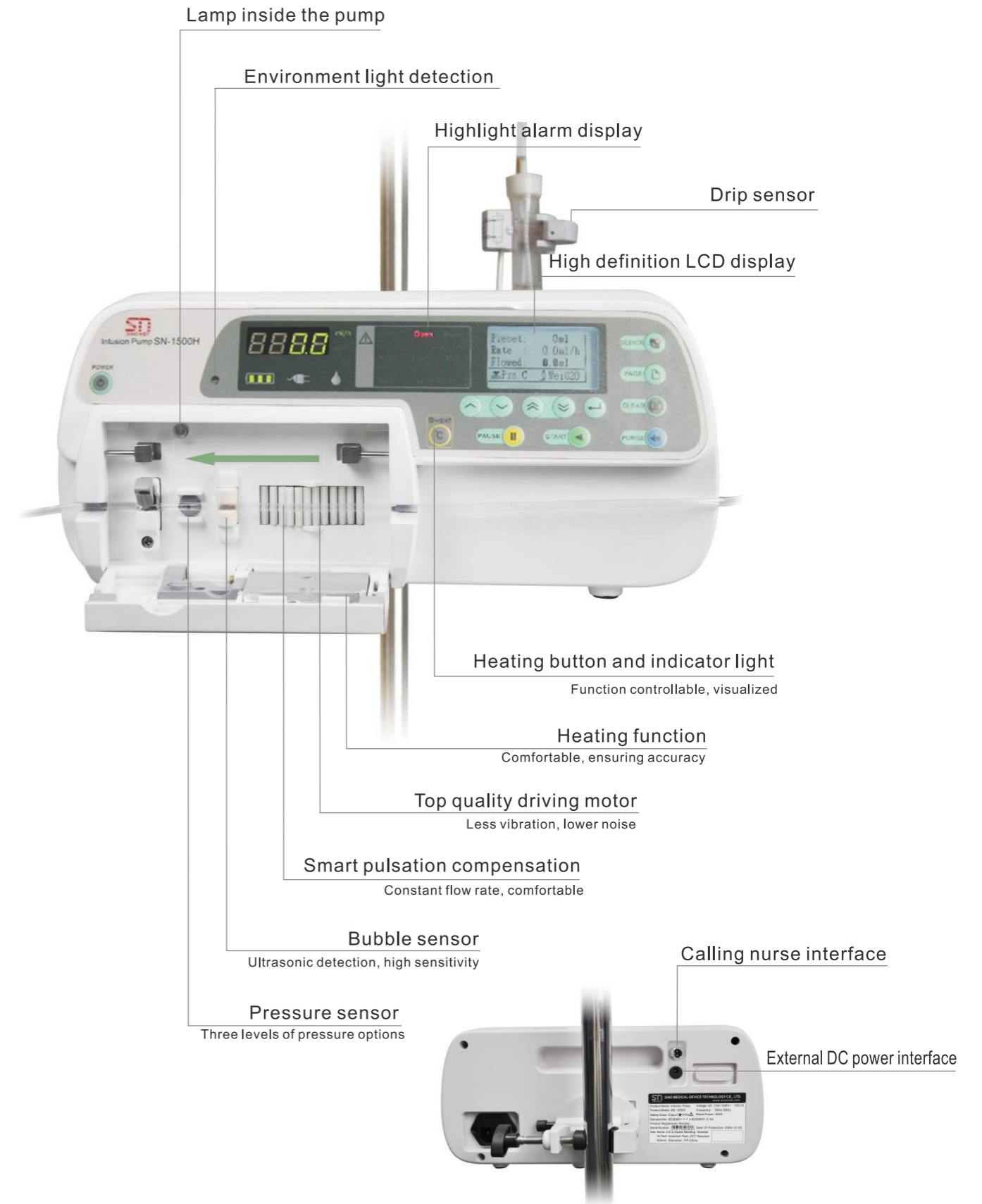
# SN-1500H(R) Infusion pump

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)





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## 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

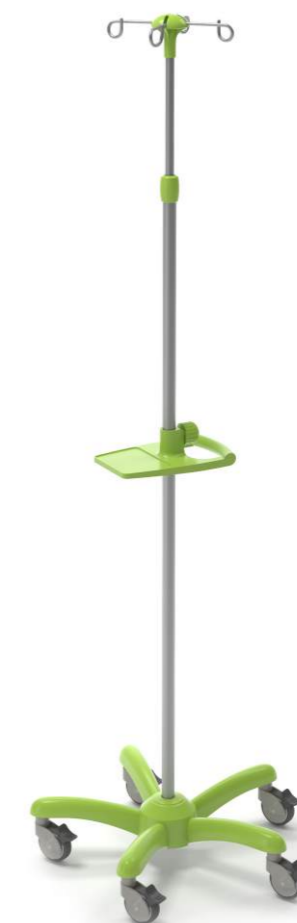
Elegant design, stainless steel quality, for High quality stainless steel, beautiful and durable, height adjustable single hand

**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-U4A Infusion Station

Light design(Without pumps and stand)

SN-U6/SN-U8 Infusion Station

Elegant design(Without pumps )

## 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!



Parts of the system: central station, monitor, handset, routing node, syringe pump / infusion pump





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

ISO13485

### Specifications:

Items	Parameter
Syringes	10, 20, 30, 50 mL of calibrated syringes
Flow rate	0.1~1500 mL/h (specified value 0.1 999.9 mL/h, 0.1 mL/h step) (specified value 1000 mL/h or above, 1mL/h step) 0.1~900 mL/h (0.1 mL/h step) 0.1~600 mL/h (0.1 mL/h step) 0.1~400 mL/h (0.1 mL/h step)
Purge rate	5~1500 mL/h 5~900 mL/h 5~600 mL/h 5~400 mL/h
Accuracy of flow rate (Nominal value)	Accuracy including syringe: within $\pm 2\%$ Mechanical accuracy: within $\pm 1\%$
Display range of volume delivered	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1 mL step)
Setting of delivery limit	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1 mL step)
Occlusion detection pressure	'H': 800 $\pm$ 200 mmHg (106.7 $\pm$ 26.7 kPa) or 1.09 $\pm$ 0.27 kgf/cm <sup>2</sup> 'C': 500 $\pm$ 100 mmHg (66.7 $\pm$ 13.3 kPa) or 0.68 $\pm$ 0.13 kgf/cm <sup>2</sup> 'L': 300 $\pm$ 100 mmHg (40.7 $\pm$ 13.3 kPa) or 0.41 $\pm$ 0.13 kgf/cm <sup>2</sup>
Alarms	'Occlusion', 'Nearly empty', 'Finish', 'Syringe dislocated', 'Plunger/Clutch disengaged', 'Battery low', 'Battery exhausted', 'Power cable disconnected', 'Flow rate over limit', 'Volume over limit', 'System error', 'Non-operation time over', 'Needle off'
Power	AC110~230V $\pm 10\%$ , 50/60 Hz $\pm 1$ Hz Inner NiMH battery: DC12 V Continuous operation time of battery: over 6 hours for one channel when battery is recharged for 12 hours, at flow rate of 5 mL/h.
Operation conditions	Ambient temperature: 5°C ~ 40 °C, Relative humidity: 20% ~ 80%
Storage conditions	Ambient temperature: -20°C ~ 55 °C, Relative humidity: $\leq 95\%$
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation
Water proof level	IPX4
Weight	2.25kg (with clamp base)
Dimension	306mm (Width) $\times$ 135mm (Height) $\times$ 127mm (Depth)

### Function

Calibrating syringe automatically	Fast rate control
Identifying syringe size automatically	"Purge" button activate safe protection
3-level occlusion alarm limits setting	Flow rate setting button lock
Automatically reducing impact dose release after occlusion	Abundant optic and sound alarm
Limits setting	AC and internal power indication
Delivered volume inquiry	Standard RS232 interface
KVO flow rate (0.1-1.0ml/h Adjustable)	1000 history records
Wireless communication (SN-50C66R)	Multi-direction clamp for either horizontal or vertical fixation

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

ISO13485

### Specifications:

Items	Parameter
Syringes	10, 20, 30, 50 mL of calibrated syringes
Flow rate	0.1~1500 mL/h (specified value 0.1 999.9 mL/h, 0.1 mL/h step) (specified value 1000 mL/h or above, 1mL/h step) 0.1~900 mL/h (0.1 mL/h step) 0.1~600 mL/h (0.1 mL/h step) 0.1~400 mL/h (0.1 mL/h step)
Purge rate	5~1500 mL/h 5~900 mL/h 5~600 mL/h 5~400 mL/h
KVO flow rate	0.1~1 mL/h 0.1~5 mL/h
Infusion Mode	Speed mode, Body Weight mode, Time mode, Drug Library mode
Accuracy of flow rate (Nominal value)	Accuracy including syringe: within $\pm 2\%$ Mechanical accuracy: within $\pm 1\%$
Display range of volume delivered	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1 mL step)
Setting of delivery limit	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000~9999 mL, 1 mL step)
Occlusion detection pressure	'H': 800 $\pm$ 200 mmHg (106.7 $\pm$ 26.7 kPa) or 1.09 $\pm$ 0.27 kgf/cm <sup>2</sup> 'C': 500 $\pm$ 100 mmHg (66.7 $\pm$ 13.3 kPa) or 0.68 $\pm$ 0.13 kgf/cm <sup>2</sup> 'L': 300 $\pm$ 100 mmHg (40.7 $\pm$ 13.3 kPa) or 0.41 $\pm$ 0.13 kgf/cm <sup>2</sup>
Alarms	'Occlusion', 'Nearly empty', 'Finish', 'Syringe dislocated', 'Plunger/Clutch disengaged', 'Battery low', 'Battery exhausted', 'Power cable disconnected', 'Flow rate over limit', 'Volume over limit', 'System error', 'Non-operation time over', 'Needle off'
Power	AC110~230V $\pm 10\%$ , 50/60 Hz $\pm 1$ Hz Inner NiMH battery: DC12 V Continuous operation time of battery: over 6 hours for one channel when battery is recharged for 12 hours, at flow rate of 5 mL/h.
Operation conditions	Ambient temperature: 5°C ~ 40 °C, Relative humidity: 20% to 80%
Storage conditions	Ambient temperature: -20°C ~ 55 °C, Relative humidity: $\leq 95\%$
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation
Power consumption	Approximately 10 W
Protection class	2, CF, IPX4
Language	English, Russian, Chinese
Weight	2.25kg (with clamp base)
Dimension	306mm (Width) $\times$ 135mm (Height) $\times$ 127mm (Depth)

### Function

Adjustable alarm sound	Adjustable button sound	Operation error prompt
Calibrating syringe automatically	Easy installation of syringe	Fast rate control
Identifying syringe size automatically	2 CPU control	"Purge" button activate safe protection
3-level occlusion alarm limits setting	Vehicle power supply interface	Flow rate setting button lock
Limits setting	Drug library	Abundant optic and sound alarm
Delivered volume inquiry	Self-testing when start up	AC and internal power indication
1000 history records	LCD screen	Standard RS232 interface
Stand by mode	Nearly empty setting(3 modes)	Clear date when power on
Automatically reducing impact dose release after occlusion	Automatically switch to battery when circuit failure	Multi-direction clamp for either horizontal or vertical fixation
Automatic charging when connect to the circuit	Dynamic pressure monitoring	Manual and programmable bolus



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

ISO13485

### Specifications:

Items	Parameter
Syringes	10, 20, 30, 50 mL of calibrated syringes
Flow rate	0.1~1500 mL/h (specified value 0.1 999.9 mL/h, 0.1 mL/h step) (specified value 1000 mL/h or above, 1mL/h step) 0.1~900 mL/h (0.1 mL/h step) 0.1~600 mL/h (0.1 mL/h step) 0.1~400 mL/h (0.1 mL/h step) 50 mL syringe 30 mL syringe 20 mL syringe 10 mL syringe
Purge rate	1500 mL/h 900 mL/h 600 mL/h 400 mL/h 50 mL syringe 30 mL syringe 20 mL syringe 10 mL syringe
Accuracy of flow rate (Nominal value)	Accuracy including syringe: within $\pm 2\%$ Mechanical accuracy: within $\pm 1\%$
Display range of volume delivered	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000 ~ 9999 mL, 1 mL step)
Setting of delivery limit	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000 ~ 9999 mL, 1 mL step)
Occlusion detection pressure	'H': 800 $\pm$ 200 mmHg (106.7 $\pm$ 26.7 kPa) or 1.09 $\pm$ 0.27 kgf/cm <sup>2</sup> 'C': 500 $\pm$ 100 mmHg (66.7 $\pm$ 13.3 kPa) or 0.68 $\pm$ 0.13 kgf/cm <sup>2</sup> 'L': 300 $\pm$ 100 mmHg (40.7 $\pm$ 13.3 kPa) or 0.41 $\pm$ 0.13 kgf/cm <sup>2</sup>
Alarms	'Occlusion', 'Nearly empty', 'Finish', 'Syringe dislocated', 'Plunger/Clutch disengaged', 'Battery low', 'Battery exhausted', 'Power cable disconnected', 'Flow rate over limit', 'Volume over limit', 'System error', 'Non-operation time over'
Power	AC110~220V $\pm 10\%$ , 50/60 Hz $\pm 1$ Hz Inner NiMH battery: DC12 V Continuous operation time of battery: over 6 hours for one channel, over 4 hours for dual channel when battery is recharged for 12 hours, at flow rate of 5 mL/h.
Operation conditions	Ambient temperature: 5°C ~ 40°C, Relative humidity: 20% ~ 80%
Storage conditions	Ambient temperature: -20°C ~ 55 °C, Relative humidity: $\leq 95\%$
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation
Water proof level	IPX4
Weight	3.45kg (with clamp base)
Dimension	354mm (Width) $\times$ 190mm (Height) $\times$ 128mm (Depth)

### Function

Dual-channel with different flow rate	Calibrating syringe automatically
Channel sleeping function	Fast rate control
Identifying syringe size automatically	"Purge" button activate safe protection
3-level occlusion alarm limits setting	Flow rate setting button lock
Limits setting	Abundant optic and sound alarm
Automatically reducing impact dose release after occlusion	AC and internal power indication
Delivered volume inquiry	Standard RS232 interface
KVO flow rate(0.1-1.0ml/h Adjustable)	1000 history records
Wireless communication (SN-50F66R)	Multi-direction clamp for either horizontal or vertical fixation

## SN-50T6/SN-50T66(R) Syringe Pump

ISO13485

### Specifications:

Items	Parameter
Syringes	10, 20, 30, 50 mL of calibrated syringes
Flow rate	0.1~1500 mL/h (specified value 0.1 999.9 mL/h, 0.1 mL/h step) (specified value 1000 mL/h or above, 1mL/h step) 0.1~900 mL/h (0.1 mL/h step) 0.1~600 mL/h (0.1 mL/h step) 0.1~400 mL/h (0.1 mL/h step) 50 mL syringe 30 mL syringe 20 mL syringe 10 mL syringe
Purge rate	1500 mL/h 900 mL/h 600 mL/h 400 mL/h 50 mL syringe 30 mL syringe 20 mL syringe 10 mL syringe
Accuracy of flow rate (Nominal value)	Accuracy including syringe: within $\pm 2\%$ Mechanical accuracy: within $\pm 1\%$
Display range of volume delivered	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000 ~ 9999 mL, 1 mL step)
Setting of delivery limit	0.1~9999 mL (0.1~999.9 mL, 0.1 mL step) (1000 ~ 9999 mL, 1 mL step)
Occlusion detection pressure	'H': 800 $\pm$ 200 mmHg (106.7 $\pm$ 26.7 kPa) or 1.09 $\pm$ 0.27 kgf/cm <sup>2</sup> 'C': 500 $\pm$ 100 mmHg (66.7 $\pm$ 13.3 kPa) or 0.68 $\pm$ 0.13 kgf/cm <sup>2</sup> 'L': 300 $\pm$ 100 mmHg (40.7 $\pm$ 13.3 kPa) or 0.41 $\pm$ 0.13 kgf/cm <sup>2</sup>
Alarms	'Occlusion', 'Nearly empty', 'Finish', 'Syringe dislocated', 'Plunger/Clutch disengaged', 'Battery low', 'Battery exhausted', 'Power cable disconnected', 'Flow rate over limit', 'Volume over limit', 'System error', 'Non-operation time over', 'Channel error'
Power	AC110~230V, 50/60 Hz Inner NiMH battery: DC12 V, 4300mAH Continuous operation time of battery: after battery is recharged for 6 hours, support over 10 hours for one channel, over 4 hours for triple channel at flow rate of 5 mL/h.
Operation conditions	Ambient temperature: 5°C ~ 40°C, Relative humidity: 20% ~ 80%
Storage conditions	Ambient temperature: -20°C ~ 55 °C, Relative humidity: $\leq 95\%$
Electric shock protection/class	Class I and internal power supply: Type CF, Continuous operation
Water proof level	IPX4
Weight	5.4kg (with clamp base)
Dimension	455mm (Width) $\times$ 250mm (Height) $\times$ 139mm (Depth)

### Function

Triple channel with different flow rate	KVO flow rate(0.1-1.0ml/h Adjustable)
Channel sleeping function	Fast rate control
Calibrating syringe automatically	"Purge" button activate safe protection
Identifying syringe size automatically	Flow rate setting button lock
3-level occlusion alarm limits setting	Abundant optic and sound alarm
Automatically reducing impact dose release after occlusion	AC and internal power indication
Limits setting	Standard RS232 interface
Delivered volume inquiry	1000 history records
Wireless communication (SN-50T66R)	Operation error prompt
OLED high definition and brightness display	



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## SN-T1(R)/SN-T2(R)/SN-T3 Syringe Pump ISO13485

### 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
Syngie 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 

### 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)	





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# SN-1600V/SN-1600VR Infusion Pump

ISO13485 0123

## Specifications:

Items	Parameter
Flow rate	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	200~1000ml/h(it can be adjustable)
Occlusion accuracy	10 levels with highest (H)900±200mmHg (120±26.7kpa) and lowest (L)100±50mmHg(13.3±6.6kpa).
KVO rate	1ml/h~5ml/h(it can be adjustable) when the infusion rate is less than the current KVO rate, automatically maintaining current rate as KVO rate
Accuracy of infusion	±5%
Bubble detector	Ultrasonic detection method, detection sensitivity: 25ul
Infusion history records	1500 pcs
Preset volume	0~9999ml
Display range of totally delivered volume	0~9999ml(0.1mL step,if the value is above 100mL,the step is 1mL)
Alarms	'Time over', 'Non-calibration of infusion tube', 'Occlusion', 'Bubble', 'Door Open', 'Finish', 'KVO complete', 'Drip sensor abnormal', 'No AC power or power cable disconnected', 'Battery low', 'Battery exhausted', 'Speed over limit', 'System error'
Power	AC 100~240 V, 50/60Hz , Inner battery: DC 12V, 2300mAH In fully charged status, the device can working for more than 8 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: 86KPa~106Kpa
Storage conditions	Ambient temperature: -20°C ~ +55°C Relative humidity: ≤95%
Electric shock protection class	Class I and type CF, internal power supply, continuous operation
Water proof level	IPX4
Communication (Option)	(1)Cable-Serial RS232 (2)Wireless communication
Infusion mode setting	Flow rate mode, drip mode (detector required), weight mode, time mode, Infusion Plan
Infusion rate	mode: drip/min, mL/h
Weight	1. 8KG(with clamp base)
Dimension	129(Width)mm×130(Height)mm×215(Depth)mm
Scope of application	With the pressure generated by the infusion pump to control the injected flow rate and delivery volume of liquid (medicine, nutrition ) to the patient
Infusion apparatus	Can save 12 brands of Infusion apparatus,the infusion accuracy can reach ±5% after calibration
Contraindications	This product is not available for blood transfusion.

## Function

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

# SN-1800V/SN-1800VR Infusion Pump

ISO13485 0123

## Specifications:

Items	Parameter
Flow rate	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	200~1000ml/h(it can be adjustable)
Occlusion accuracy	10 levels with highest (H)900±200mmHg (120±26.7kpa) and lowest (L)100±50mmHg(13.3±6.6kpa).
KVO rate	1ml/h~5ml/h(it can be adjustable) when the infusion rate is less than the current KVO rate, automatically maintaining current rate as KVO rate
Accuracy of infusion	±5%
Bubble detector	Ultrasonic detection method, detection sensitivity: 25ul
Infusion history records	1500 pcs
Preset volume	0~9999ml
Display range of totally delivered volume	0~9999ml(0.1mL step,if the value is above 100mL,the step is 1mL)
Alarms	'Time over', 'Non-calibration of infusion tube', 'Occlusion', 'Bubble', 'Door Open', 'Finish', 'KVO complete', 'Drip sensor abnormal', 'No AC power or power cable disconnected', 'Battery low', 'Battery exhausted', 'Speed over limit', 'System error'
Power	AC 100~240 V, 50/60Hz , Inner battery: DC 12V, 2300mAH In fully charged status, the device can working for more than 8 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: 86KPa~106Kpa
Storage conditions	Ambient temperature: -20°C ~ +55°C Relative humidity: ≤95%
Electric shock protection class	Class I and type CF, internal power supply, continuous operation
Water proof level	IPX4
Communication (Option)	(1)Cable-Serial RS232 (2)Wireless communication
Infusion mode setting	Flow rate mode, drip mode (detector required), weight mode, time mode, Infusion Plan
Infusion rate	mode: drip/min, mL/h
Weight	1. 8KG(with clamp base)
Dimension	129(Width)mm×130(Height)mm×215(Depth)mm
Scope of application	With the pressure generated by the infusion pump to control the injected flow rate and delivery volume of liquid (medicine, nutrition ) to the patient
Infusion apparatus	Can save 12 brands of Infusion apparatus,the infusion accuracy can reach ±5% after calibration
Contraindications	This product is not available for blood transfusion.

## Function

DUAL-CPU monitoring function	Night inner lighting function	Setting the system time	Smart pulsation compensation function
Infusion set calibration	Body-weight mode conversion	Wireless communication function	Infusion mode set
Detection of dripping number	Fast rate control	10-level occlusion alarm limits setting	Pressure dynamic display
"Purge" button activate safe protection	Water proof level	Ultrasonic bubble detection	12V DC power supply
External DC power interface	Abundant optic and sound alarm	Calling nurse interface	KVO flow rate
Standard RS232 interface	Key tone can be set to mute	1500 history records	Infusion indicating can close or open
Five infusion mode setting: supports Speed/Drip/Body-weight/Time/Pre-planning infusion modes		Drip sensor can be pluggable, optionable	Clamp lock,Easy installation



Care your concern

## SN-2000V/SN-2000VR Infusion Pump

### Specifications:

Items	Parameter
Flow Rate	From 1 to 1200 ml/h (0,1 ml/h step, if value is 99,9 ml/h or above step 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 detection 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 power supply: DC12V
Operation condition	Ambient temperature: +5°C ~ +40 °C. Relative humidity: 20% ~ 90%.
Transportation and storage condition	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 protection	IPX4
Communication (option)	(1) Cable serial RS232 (2) Wireless communication
Infusion Mode Setting	Rate mode, drip mode, 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 (width)x125 (depth)x215 (height)

### Function

Dual-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°C ~ ±40°C 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

### Specifications:

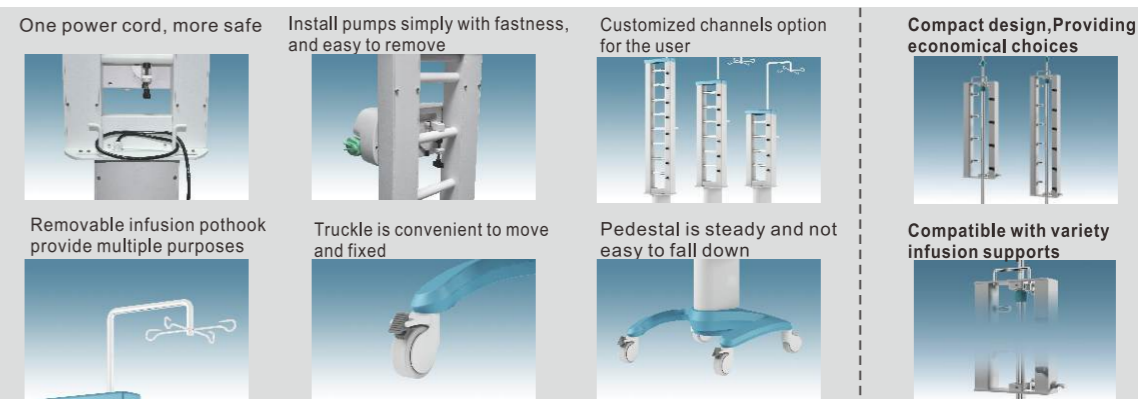
Items	Parameter
Heating Temperature Range	35.0°C~42°C ( 95.0 °F~107.6 °F), increment: 0.1°C/step(0.2 °F/step) Please set temperature base on the clinical condition. Recommended temperature range:30°C~36°C.
Accuracy of Controlled Temperature	±1°C(±1.8°F)
Adjustable unit	°C/°F
Heating Time	<2 Minutes
Protected Temperature	48°C/123°F
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°C ~ 30°C Relative humidity: 20%~80% Atmospheric pressure: 76.0kPa ~ 106kPa
Storage Condition	Ambient Temperature: -20°C ~ 55°C 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 Safe, convenient, centralized, multi-functional system

### 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 Intelligent, powerful, reachable, convenient 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

