

# PUASP-1500

## Syringe Pump

### (Single Channel)



#### Features

1. Open system: Accepts all standard syringes of 5ml, 10ml, 20ml/30ml, 50ml/60ml.
2. Large COLOR LED display
3. KVO/Bolus function.
4. Vertical & Horizontal mounting.
5. Anti-bolus system to reduce significantly after occlusion sudden release.
6. Three levels of Occlusion Pressure Alarm.
7. Three work modes: Rate Mode, Time Mode, Dose Mode
8. Identify the specifications of syringe automatically.
9. Audible and visual alarm: Syringe Holder Loose, Syringe Plunger Disengagement, Syringe Flange Insertion Error, Syringe Not Calibrated, Occlusion, Syringe Empty, Rate Abnormal, Battery Empty, No Battery, Key Holding During Infusion, Key Holding During Pause, Infusion Complete, Syringe Near Empty, No Action, Battery Low, Out of Flow Range
10. Stackable: Users can freely stack one syringe pump onto another to provide multiple Solutions
11. Power lost memory.
12. Visual and audible alarm system and accurate injection rate make the process safer and reliable.
13. Change the flow rate without stop during infusion.
14. 8-10 Hours Internal Li-Battery continuous operation.
15. Accurate and sensitive pressure sensor detects occlusion pressure accurately.
16. Excellent injection operation. The accuracy will be ensured even at small-volume injection.

#### Technical Specifications

PARAMETER	SPECIFICATION
Applicable syringes	5ml,10ml,20ml,30ml,50ml,60ml of any standard
Accuracy	+/- 2% with correct calibration

Rate mode	50ml(60ml): 0.1ml/h-2000.0ml/h (0.1ml/h or 1ml/h step) 30ml: 0.1ml/h-1200.0ml/h (0.1ml/h or 1ml/h step) 20ml: 0.1ml/h-800.0ml/h (0.1ml/h or 1ml/h step) 10ml: 0.1ml/h-400.0ml/h (0.1ml/h or 1ml/h step) 5ml: 0.1~200ml/h (0.1ml/h or 1ml/h step)
Time Mode	SOL. VOL: 0.1-9999.9ml (0.1ml step) TIME: 00:01-99:59min (1min step)
Dose Mode	Volume: 0.1-999.9ml (0.1ml step) DRUG MASS: 0.1-999.9mg 0.1mg step) DOSE: 0.001-9999ug/kg/min (0.001ug/kg/min step) WEIGHT: 0.1-300kg (0.1kg the least step) Dose unit: ng/kg/min, ug/kg/min, mg/kg/min, g/kg/min, ug/kg/h, mg/kg/h, g/kg/h, ug/min, mg/min, g/min, ug/h, mg/h, g/h, U/min, U/h, IU/h, U/kg/h, ml/h
Total Volume Range	0.1-9999ml (0.1 ml step)
Purge Rate	50ml(60ml): 1500.0ml/h, 30ml: 1200.0ml/h, 20ml: 800.0ml/h 10ml: 400.0ml/h, 5ml: 200ml/h
KVO Rate	3ml/h when the delivery rate $\geq$ 3ml/h, otherwise KVO is the actual delivery rate
DPS dynamic pressure	Three levels setting Low ( $60\pm 15$ kPa), Medium ( $90\pm 15$ kPa), High ( $120\pm 15$ kPa)
Alarms	Syringe Holder Loose, Syringe Plunger Disengagement, Syringe Flange Insertion Error, Syringe Not Calibrated, Occlusion, Syringe Empty, Rate Abnormal, Battery Empty, No Battery, Infusion Complete, Syringe Near Empty, No Action, Battery Low Three levels of alarm volume LOW, MEDIUM or HIGH
Bolus Rate	5ml: 0.1~200ml/h, 10ml: 0.1-400ml/h, 20ml: 0.1-800ml/h, 30ml: 0.1-1200ml/h, 50ml(60ml): 0.1-2000ml/h Programmable and adjustable
Bolus Volume	Range: 1.0~50.0ml, (0.1ml step)
Interface	RS-232
Power source	AC power supply: AC 100 to 240V( $\pm 10\%$ ), 50/60Hz; DC Power supply: 12~15V, power $>$ 15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 8 -10hours of continuous operation
Accessories:	AC power line, Operational manual
Protection Class	Class I, Type CF, IP34
Dimension / N.W	240mm*150mm*117mm, 2.0kg
Packing size/G.W	300mm*260mm*160mm, 3.0KG

# PUASP-1800 & ASP-1800G

## Syringe Pump

(Single Channel)



### Features

1. Compatible with any brand syringes from 5ml,10ml,20ml,30ml,50ml and 60ml.
2. Stackable to be the maximum 8 channels.
3. High accuracy +/- 2% after correct calibrated.
4. Five work modes: Rate /Time/Dose/Sequential/Drug library Mode.
5. Manual or Automatic Bolus function.
6. Vertical & Horizontal mounting clamp.
7. Anti-bolus system to reduce significantly after occlusion sudden release.
8. DPS Occlusion Pressure display.
9. 2000 events stored can be checked and downloaded.
10. Large color TFT display with adjustable brightness.

### Technical Specifications

PARAMETER	SPECIFICATION
Applicable syringes	5ml,10ml,20ml,30ml,50ml,60ml of any standard
Accuracy	+/- 2% with correct calibration
Rate mode	0.1ml/h-2000.0ml/h (0.1ml/h or 1ml/h step)
Time Mode	SOL. VOL:0.1-9999.9ml (0.1ml step)
	TIME : 00:01-99:59min (1min step)
Dose Mode:	Volume : 0.1-999.9ml(0.1ml step)
	DRUG MASS : 0.1-999.9mg (0.1mg step)
	DOSE : 0.001-9999 (0.001 step)

	WEIGHT : 0.1-300kg(0.1kg step)
Total Volume Range	0.1-9999.9ml (0.1 ml step)
Drug library Mode	ASP-1800G with drug library
Sequential mode	(Optional)
Purge Rate	Programmable and adjustable
KVO Rate	0.0~5.0 ml/h, Programmable and adjustable
DPS Occlusion Pressure	LOW:60(±15) kPa, MEDIUM:90(±15) kPa HIGH:120(±15) kPa (Adjustable)
Alarms	Loose, Occlusion, Empty, Near Empty, Rate Abnormal, Low Battery, No Battery, Infusion Complete, No Action, Syringe Plunger Disengagement
Alarm volume	Three levels: LOW, MEDIUM or HIGH
Bolus Rate	0.1-2000ml/h, Programmable and adjustable, Automatic/Manual bolus available
Bolus Volume	Range: 1.0~50.0ml, (0.1ml step)
Interface	RS-232
Brightness	1~10 levels can be selected
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V( +/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 12 hours of continuous operation
Protection Class	Class I, Type CF, IPX4
Dimension / N.W	240mm*150mm*117mm, 2.5kg
Packing size/G.W	300mm*260mm*160mm, 3.5KG

# PUASP-1800S

## Syringe Pump

### (Advanced)



#### Features

PARAMETER	SPECIFICATION
Screen	4.3-inch LCD color touch screen
Syringe Types	2ml, 5ml, 10ml, 20ml, 30ml, 50/60ml Open system, automatic recognition of syringe brands and sizes after calibration
Infusion Mode	ml/h (include Rate mode, Time mode), Body weight, TIVA, Loading-dose, Ramp up/down, Sequence, Drug Library mode
Accuracy	±2%
Flow Rate Range	0.01-1500ml/h (min. increment 0.01ml/h)
VTBI	0-9999 ml
KVO	0.01-5ml/h adjustable
Bolus Rate	0.1-1500ml/h (automatic & manual bolus available)
Occlusion Level	12 levels selectable
Interface	MINI USB
Wireless	WIFI (optional)
Alarm Type	VTBI Infused, Syringe empty, Pressure high, Battery empty, Check syringe, KVO finished, VTBI near end, Syringe near empty, Battery near empty, Reminder alarm, No power supply, System error, etc.
<b>Special Features</b>	
Titration	Change flow rate without stopping infusion

Last Therapy	Last therapies can be stored and used for rapid infusion
Drug Library	No less than 2000 drugs
Anti-Bolus	Automatic drop line pressure to reduce bolus impact after occlusion
Purge	Remove the air bubble
Screen Lock	Avoid misoperation
Standby Mode	Standby time 00-99h59m adjustable
Relay Mode	Different pumps work in sequence on infusion workstation (optional)
Micro Mode	Limit the max infusion rate to double ensure patient safety
DPS	Real-time pressure display in graphically and numerically
Brightness	Adjustable
Alarm Volume	Adjustable
History Record	More than 5000 entries
<b>Power Source</b>	
AC Power	110V-240V, 50/60Hz
External DC Power	12V
Battery	Lithium Polymer battery 11.1V 2600mAh
	More than 12 hours operating time @ 5ml/h
	Less than 5 hours for fully charged
<b>Others</b>	
Classification	Class I, CF
Waterproof	IP24
Dimension	400(L)*90(W)*120(H) mm (with cover)
	235(L)*90(W)*120(H) mm (without cover)
Weight	Approx. 1.7kg

# PUASP -1800T Syringe Pump

## (Dual Channel)



### Features

#### 1. Simplified, Intuitive Touch

- Independent operating channels, and with Online function----AB channels can be worked cyclically and repeatedly;
- 3.5-inch large color display, making clinical use faster and more convenient;
- Independent power switch, conducive to clinical use and energy conservation;
- Tube management: a standard fitted side clamp to prevent infusion tube entanglement and enhance infusion overview and control.

#### 2. Safe, Efficient and Practical

- Comply with IP44 high waterproof rating for all clinical application scenarios;
- DPS dynamic pressure display, multi-pressure alarm level, real-time protection of patient safety;
- Anti-bolus & anti-siphon functions increase patient safety;
- Auto & manual Bolus can be switched; KVO rate is adjustable for more clinical use;
- Change the flow rate during infusion without stopping the infusion;
- Large-scale & wide-angle color alarm lights to protect patients in real time.

#### 3. Intelligent Design, Easy to Use

- 5 infusion modes are available to meet the needs of different departments;
- 360 degree rotatable, vertical and horizontal mounting clamp to meet the needs of the clinical environment;
- More than 2,000 historical records for review and export, which is convenient for users to use;
- Multi-language can be switched and customized to meet various geographical needs.

### Technical Specifications

PARAMETER	SPECIFICATION
Applicable Syringes	5ml,10ml,20ml,30ml,50ml,60ml of any standard
Accuracy	+/- 2% with correct calibration
Rate Mode	50ml(60ml): 0.1ml/h-2000.0ml/h (0.1ml/h or 1ml/h step) 30ml: 0.1ml/h-1200.0ml/h (0.1ml/h or 1ml/h step) 20ml: 0.1ml/h-800.0ml/h (0.1ml/h or 1ml/h step) 10ml: 0.1ml/h-400.0ml/h (0.1ml/h or 1ml/h step) 5ml: 0.1~200ml/h (0.1ml/h or 1ml/h step) (Programmable 0.01ml/h~9999.9ml/h)
Time Mode	SOL. VOL: 0.1-9999.9ml (0.1ml step) TIME: 00:01-99:59min (1min step)
Dose Mode	Volume: 0.1-999.9ml (0.1ml step) DRUG MASS: 0.1-999.9mg (0.1mg step) DOSE: 0.001-9999ug/kg/min (0.001ug/kg/min step) WEIGHT: 0.1-300kg (0.1kg the least step) Dose unit: ng/kg/min, ug/kg/min, mg/kg/min, g/kg/min, ug/kg/h, mg/kg/h, g/kg/h, ug/min, mg/min, g/min, ug/h, mg/h, g/h, U/min, U/h, IU/h, U/kg/h, ml/h
Total Volume Range	0.1-9999.9ml (0.1 ml step)
Drug library Mode	10 categories of drugs, 17kinds of dose units. Makes drug dispensing more convenient and safer.
Sequential Mode	Available
Purge Rate	50ml(60ml): 1500.0ml/h, 30ml: 1200.0ml/h, 20ml: 800.0ml/h 10ml: 400.0ml/h, 5ml: 200ml/h Programmable and adjustable
KVO Rate	0.1~5.0 ml/h, Programmable and adjustable
DPS Dynamic Pressure	Three levels setting LOW (60(±15)kPa), MEDIUM (90(±15)kPa) or HIGH (120(±15) kPa)
Alarms	Syringe Holder Loose, Syringe Plunger Disengagement, Syringe Flange Insertion Error, Syringe Not Calibrated, Occlusion, Syringe Empty, Rate Abnormal, Battery Empty, No Battery, Infusion Complete, Syringe Near Empty, No Action, Battery Low Three levels of alarm volume LOW, MEDIUM or HIGH
Bolus Rate	5ml: 0.1~200ml/h,10ml:0.1-400ml/h,20ml:0.1-800ml/h, 30ml: 0.1-1200ml/h,50ml(60ml):0.1-2000ml/h Programmable and adjustable, Automatic/Manual bolus available
Bolus Volume	Range: 1.0~50.0ml, (0.1ml step)
Interface	RS-232
Brightness	1~10 levels can be selected
History Records	2000 events stored can be checked and downloaded



Power Source	AC power supply: AC 100 to 240V(+/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 8 hours of continuous operation
Accessories	AC power line, Operational manual
Protection Class	Class I, Type CF, IP44
Dimension/N.W	350*150*220mm, 4kg
Packing size/G.W	400mm*200mm*250mm, 4.5KG

# PUAIP-1200 & AIP-1200Y

## Infusion Pump



### Feature

1. Delivery range: 0.1ml/h~1200ml/h.
2. High accuracy +/- 2% after correct calibrated.
3. Five work modes: Rate Mode, Time Mode, Dose Mode, Sequential Mode and Drug library Mode.
4. Manual /Automatic Bolus
5. Vertical & Horizontal mounting clamp.
6. Anti-bolus system to reduce significantly after occlusion sudden release.
7. DPS dynamic pressure display.
8. 2000 events stored can be checked and downloaded.
9. Large color TFT display, the brightness can be adjusted to adapt to the clinical use of the environment.

### Technical Specification

PARAMETER	SPECIFICATION
Fit IV tubes	Can be used with any brand IV set after exactly calibration
Pump Type	Peristaltic finger pump
Accuracy	±2%
Delivery rate range	0.1ml/h~1200ml/h (0.1ml/h~99.9ml/h, 0.1ml/h step; >99.9ml/h, 1ml/h step)
Delivery time range	00h01min~99h59min (1 min step)
Volume limit range:	0.0-9999ml (1 ml step)
Total Volume Range	0.0-9999ml (1 ml step)

Dose Mode	Volume: 0.1-999.9ml(0.1ml step) DRUG MASS: 0.1-999.9mg 0.1mg step) DOSE: 0.001-9999ug/kg/min(0.001ug/kg/min step) WEIGHT: 0.1-300kg (0.1kg the least step)
Drug library Mode	AIP-1200Y with drug library, can store 1030 kinds of drug names, makes drug dispensing more convenient and safer.
Sequential mode	(Optional)
KVO Rate	0.0~5.0ml/h. Programmable and adjustable
DPS Occlusion Pressure	LOW: 60± (15) kPa MEDIUM: 90 ±15kPa HIGH: 120 ±15kPa (Adjustable)
Alarms	Rate Abnormal, Door Open, Air-in-line, Occlusion, Bottle Empty, Battery Empty, No Battery, Key Holding During Infusion/Pause, Infusion Complete, No Action, Battery Low.
Alarm volume	Three levels of alarm volume: LOW, MEDIUM or HIGH
Bolus function	Bolus rate:1.0~1200ml/h, Bolus volume:1.0~100ml Automatic/Manual, programmable and adjustable
Purge Rate	Programmable and adjustable
Interface	RS-232
Brightness	1~10 levels can be selected
History records	2000 events stored can be checked and downloaded
Power source	AC power supply: AC 100 to 240V( +/-10%), 50/60Hz; DC Power supply: 12~15V, power>15W; Built-in Lithium Battery: Rechargeable, 11.1V, 2000mAh. 12 hours of continuous operation
Protection Class	Class I, Type CF, IPX4
Dimension /N.W	120mm*100mm*215mm, 1.7kg
Packing size/G.W	300mm*260mm*160mm, 2.5KG

# PUAIP-1200V Infusion Pump

## (Advanced)



### Features

PARAMETER	SPECIFICATION
Screen	4.3-inch LCD color touch screen
Infusion Mode	ml/h (include Rate mode, Time mode), Body weight, Drip, Loading-dose, Ramp up/down, Sequence, Drug Library mode
Accuracy	±5%
Flow Rate Range	0.01-1200ml/h (increment 0.01ml/h)
VTBI	0-9999 ml
KVO	0.01-5ml/h adjustable
Bolus Rate	0.1-1200ml/h (automatic & manual bolus available)
Occlusion Level	12 levels selectable
Interface	MINI USB
Wireless	Wifi (optional)
Alarm Type	VTBI Infused, Pressure high, Check upstream, Battery empty, KVO finished, Do or Open, Air bubble, VTBI near end, Battery near empty, Reminder alarm, No power supply, Drop sensor connection, System error, etc.
<b>Special Features</b>	
Titration	Change flow rate without stopping infusion
Last Therapy	Last therapies can be stored and used for rapid infusion
Drug Library	No less than 2000 drugs
Anti-Bolus	Automatic drop line pressure to reduce bolus impact after occlusion
Purge	Remove the air bubble
Screen Lock	Avoid misoperation
Standby Mode	Standby time 00-99h59m adjustable

Relay Mode	Different pumps work in sequence on infusion workstation (optional)
Micro Mode	Limit the max infusion rate to double ensure patient safety
DPS	Real-time pressure display in graphically and numerically
Bubble Detector	Adjustable
Brightness	Adjustable
Alarm Volume	Adjustable
History Record	More than 5000 entries
<b>Power Source</b>	
AC Power	110V-240V, 50/60Hz
External DC Power	12V
Battery	Lithium Polymer battery 11.1V 2600mAh
	More than 9 hours operating time @ 25ml/h
	Less than 5 hours for fully charged
<b>Others</b>	
Classification	Class I, CF
Waterproof	IP24
Dimension	235(L)*95(W)*120(H) mm
Weight	Approx. 1.6kg

# PUAIP-Y1200 INFUSION PUMP

## (Dual Channels)



### Introduction

AIP-Y1200 model infusion pump is the second-generation product by our company. It has LCD display screen and micro computer controlled. The peristaltic pump is power source with multiple sensors to monitor the infusion pump and has variety of alarm functions. It's easy to operate and meets all the demand of various cases of transfusion, like single infusion, infusion two liquids at the same time or infusion for two people. Using infusion apparatus with the infusion pump, it can control the liquid flow to the patient.

### Features

1. Automatic infusion: According to the doctor's advice, set the infusion volume and speed. The linear peristaltic pump which is microcomputer controlled will manage infusion pump to make automatic infusion according to the setting infusion speed.
2. KVO status: After finishing the total volume of infusion, the pump will switch to KVO status automatically. (Keep vein open status).
3. Audible and visual alarm: Five kinds of alarms including Occlusion alarm, Bubble alarm, Door Open alarm, Infusion Finished alarm and Under-voltage alarm. When infusion failed, audible and visual alarm will occur and remind the operators to dispose in time.
4. Apply to variety liquids: It can be used to infuse colorless transparent liquid and high nutrient solutions and color opaque liquid.
5. Apply to infusion apparatus:

Ordinary infusion apparatus: Normal PVC titration transparent or lucifuge infusion apparatus (pipe diameter is about 3.5mm) can be used. Please make sure the pipe diameter and pipe wall of infusion apparatus must have a certain elasticity coefficient. New infusion apparatus should take calibration of the infusion precision before the first use. Note: Other specifications of the infusion apparatus may not be able to maintain accuracy (Even if the precision is being calibrated)

Specialized infusion apparatus: Specialized infusion apparatus has high elastic silicone tube. Please contact our company for purchasing.

Warning: The pump may be unable to maintain accuracy if use infusion apparatus which is not

recommended.

6. AC/DC alternative: Built-in NI-MH rechargeable battery makes sure the device still can be used when the sudden power off. The machine automatically charges itself when the battery volume is low and stops when it's fully charged, and the indication light switches off. Please make sure it's fully charged around 7hours or it will shorten the lifespan of battery. Low voltage alarm will occur and indication light will flash when the battery mostly runs out in order to remind the operators to dispose in time.

7. Quick exhaust: Press the quick exhaust button twice and enter quick exhaust status. The stop status is quick exhaust, and the exhausted liquid will not be counted into cumulative infusion rate. Start state is quick transfused; discharged liquid will be counted into cumulative infusion rate. Loosen the button; the quick exhaust state will be stopped.

8. Infusion rate: It has Drop/min and ml/h two setting modes for users to choose. Note: Drop/min and ml/h is conversed from 20 Drops/ml, which is different from the actual drops.

9. Call interface: Reserve call interface to provide the centralized monitoring function for nurse station.

## Technical Specifications

Infusion flow rate:

- Specialized infusion apparatus: 0.1ml/h-1200ml/h;
- Ordinary infusion apparatus: 0.1ml/h-600ml/h;
- Remarks: within 0.1-30ml/h (0.1ml/h/step); over 30ml/h (1ml/h/step).

Infusion accuracy error:

- Specialized infusion apparatus:  $\pm 5\%$  (medium speed, 23°C, humidity: 60%);
- Ordinary infusion apparatus:  $\pm 10\%$  (medium speed, 23°C, humidity: 60%).

Total infusion volume preset: 0.1-9999ml.

Remarks: within 0.1-30ml (0.1ml/step); over 30ml (1ml/step).

Occlusion sensitivity:

- It has three adjustable levels of occlusion pressure:
- Low speed (1ml/h): 250~500 seconds;
- Medium speed (120ml/h): 7~14 seconds;
- High speed(600ml/h): 0.2~1 second

KVO Rate: 12ml/h

Built-in battery work time: 2 hours.

# PUAFP-500

## Enteral Feeding Pump



### Feature & Function

1. Compact design: The compact and light weight design saves space and is beneficial during patient transfer
2. Panel Lock: The panel lock feature helps prevent unauthorized changes of any instrument setting
3. User-friendly operation: Soft key design, easy to operate; Load directly the last infusion rate and volume limit; Large & colorful LCD display
4. Versatile functions: 2000 history records; RS232 interface (optional); Real time display; Adjustable buzzer volume (3 levels)

### Technical Parameter

PARAMETER	SPECIFICATION
Flow rate range	1~400 ml/h
Volume to be infused (VTBI)	0 ~ 9999 ml
Volume Infused ( $\Sigma$ )	0 ~36000 ml
Infusion accuracy	$\pm 10\%$
Applicable feeding bag	Support a wide variety brands of feeding bag
Bolus rate	400 ml/h
Occlusion pressure	3 adjustable occlusion pressure settings: low, middle and high
Alarms	Visual and audible alarms: Door Open, Occlusion, Infusion completion, infusion near over, empty, Start reminder function, Low Battery, Battery depleted, malfunction etc.
Computer Interface	RS232



History records	2000 history records
Power supply	AC:100~240V,50/60Hz      DC:12V $\pm$ 1V
Battery	Rechargeable lithium polymer battery,7.4V,2100mAh Can operate for more than 3 hours after fully charged at 25ml/h.
Recharge time	10hs recharging when machine is turned on, 3hs recharging when machine is off.
Power consumption	25VA
Classification	Class I, type CF
Water Proof Level	IP $\times$ 3
Mode of operation	continuous
Dimensions	145 $\times$ 100 $\times$ 120 mm (length $\times$ width $\times$ height)
weight	$\leq$ 1.4kg
Operating conditions	Temperature: 5°C ~40°C Relative humidity: 10~95% Air pressure: 86~106kPa
Transport conditions	Temperature -20~+60°C Relative humidity: 10~95% Air pressure:50~106kPa
Storage conditions	Temperature: -20°C ~ +45°C Relative humidity: 10~95% Air pressure: 50~106kPa

# PUAIP-300 Insulin Pump



## Features

AIP-300 insulin pump provides a series of thought-out functions, as histogram basal rate setting, percentage temporal basal rate delivery, easy and simply operating for normal bolus, square wave bolus, auto-rewinding of screw, and auto-calculating of filled insulin. It is so convenient and easy-using that it can meet various customers.

## Technical Characteristics

1. Size: 79\*52\*20mm
2. Weight: 58g
3. Basal rate segment: 24/48 segments for optional.
4. Infusion frequency: 0--60 times/hour
5. Minimal dose: 0.05u (1u means 0.01ml)
6. Infusion type: basal rate, Temporary basal rate, Bolus, Square wave bolus.
7. Basal rate setting range: 0--5u
8. Basal rate infusion error range: +-5%
9. Temporary basal rate setting range: speed: 0--200%, time: 0--24 hours.
10. Bolus setting range: normally 0--40u, max setting range: 0--85u
11. Bolus infusion error range: +-3%
12. Bolus modes: normal bolus, bolus before 3 meals.
13. Square wave bolus setting range: normally 2--40u, max setting range: 2--85u, time: 0--240 minutes.
14. Max daily dose: 200u
15. Screw rewind: motor drive rewind automatically
16. Alarm: ring
17. Alarm situation:
  - A: Meal alarm: 30 minutes after bolus infusion
  - B: Low-Voltage alarm: voltage lower than 1.2v
  - C: No liquid alarm: liquid less than 20u.

D: No infusion alarm: no liquid left.

E: Liquid blocking alarm: blocking before 6u

18. CPU: dual CPU

19. Reservoir volume: 320u

20. Infusion tube interface: luer interface

21. Battery type: 1\*AAA battery

22. Using condition: Temperature: +5°C ~+40°C, Relative humidity: 20%~90%, Atmospheric pressure: 700hPa~1060hPa.

23. Store condition: Please store it in ventilated rooms without any corrosive gases, temperature is from -20°C ~55°C, Relative humidity no more than 80%.

24. IP grade: IPX8