



Technical Data

Applicable Syringe Size	2ml, 5ml, 10ml, 20ml, 30ml, 50/60ml	
Rate	2ml:0.01~60ml, 10ml:0.01~300ml, 30ml:0.01~900ml,	5ml:0.01~150ml 20ml:0.01~600ml 50/60ml:0.01~2200ml
Bolus Rate & Volume	2ml:0.01~48ml/h 5ml:0.01~120ml/h 10ml:0.01~240ml/h 20ml:0.01~480ml/h 30ml:0.01~720ml/h 50/60ml:0.01~1500ml/h	0.1~0.5ml 0.1~1ml 0.1~5ml 0.1~10ml 0.1~10ml 0.1~10ml
FF Rate	2ml:0.01~60ml, 10ml:0.01~300ml, 30ml:0.01~900ml,	5ml:0.01~150ml 20ml:0.01~600ml 50/60ml:0.01~2200ml
KVO Rate & Volume	Rate: 0.01 ~ 5.0ml/h Volume: 2ml:0~0.2ml, 5ml:0~0.2ml 10ml:0~0.2ml, 20ml:0~0.5ml 30ml:0~0.5ml, 50/60ml:0~1ml	
Rate Accuracy	Within $\pm 2\%$ (after calibration)	
Occlusion Pressure Levels	13 Levels are available	
Alarms Information	Injection finish, soon finish, VTBI finished, system stand-by freedom, injection is blocked, syringe falls off, syringe improperly installed, forgotten operation, low battery, battery runs out, abnormal running state, equipment failure, system power down etc.	
Prompts	Parameter overrun, injection begins, AC power has been pulled out, speed overrun.	
Power Source	Three options for power supply: First: 100~240VAC, 50/60Hz; Second: Inserted Li-battery 11.1V, capacity $\geq$ 2600mAh, 8 hours backup time at the rate of 5ml/h for a fully charged battery; Third: External DC 15V power supply.	
Drug Library	Up to 1000 drugs are provided	
Dimensions	300mm (L) $\times$ 180mm (W) $\times$ 90mm (H)	



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



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Syringe Pump

Semi-1|Erch-3|Anim-5



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Pioneer in Life Science

Sunfusion[®] Syringe Pump



Semi-1



Erch-3



Anim-5

Innovative design Better sensibility

> UI Design



- Brand-new appearance, small and lightweight, design as portable;
- 3.5" colorful touchscreen to display various information on one page;
- Easier operations are provided by simple UI design.

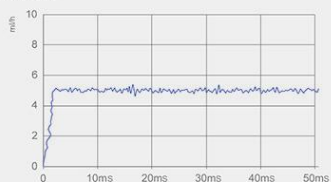
> High-quality PBT Enclosure



- High-quality PBT enclosure, which makes medical disinfection and cleaning convenient;
- Multi - and Across - combination of syringe pump and infusion pump is enabled by Slide guide and lock catch design, which is safe and practical.

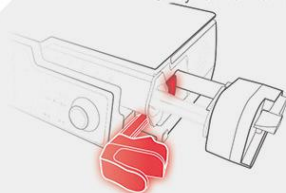
Intelligent safety More care

> Fast Start



- 8 injection modes are able to satisfy various clinical needs;
- Applicable to 2ml, 5ml, 10ml, 20ml, 30ml, 50ml /60mlsyringes;
- Rate are adjustable during running state.

> Dynamic Alarm Instructions



- 10 levels for forgotten operation time are selectable;
- 30 levels for near finished alarm time are optional to make supervision reliable;
- Intuitively demonstrate operation instructions by the application of Smart Alarm System.

> Multi-function interface



- DC 15V Power connector;
- Multi-function connector;
- Compatible with either recommended syringes by default with great accuracy or other syringes by correct calibration. $\leq \pm 2\%$ accuracy is achieved.

$\leq \pm 2\%$

Precision

0.01ml/h
2200ml/h

Rate

IP24

High IP Level

13 Levels

DPS

Features



Auto-Lock Screen

Up to 11 levels time setting;
Prevention for operation errors.



Night Mode

Design for nighttime safe operation.



Dual CPU

Guarantee for safe work.



System Self-test

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



Human Voice Alarm

Exclusive technology;
Combination of human voice, readable words and visual light alarm;
8 volume levels are available.



WLAN Function

Capable of communicating with information management system;
Remotely monitor patient's condition in real time.



History Record Cassette

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



Certification

Certified by TÜV Rheinland and EN ISO13485:2016

