



Sunfusion[®]

Syringe Pump

Semi-1



Scan to know more

BYOND 比扬

Pioneer in Life Science

Sunfusion[®] Syringe Pump Semi-1

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.

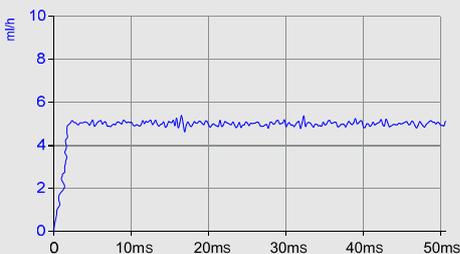
- High-quality PBT enclosure, which makes medical disinfection and cleaning convenient;
- Multi - and Across - combination of syringe pump and infusion pump is enabled by Slide guide and lock catch design, which is safe and practical.

> High-quality PBT Enclosure



Intelligent safety More care

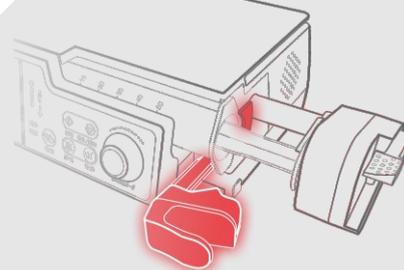
> Fast Start



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

- 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.

> Dynamic Alarm Instructions



> 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

$\frac{0.01\text{ml/h}}{2200\text{ml/h}}$

Rate

IP24

High IP Level

13 Levels

DPS



Features



Auto-Lock Screen

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



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.



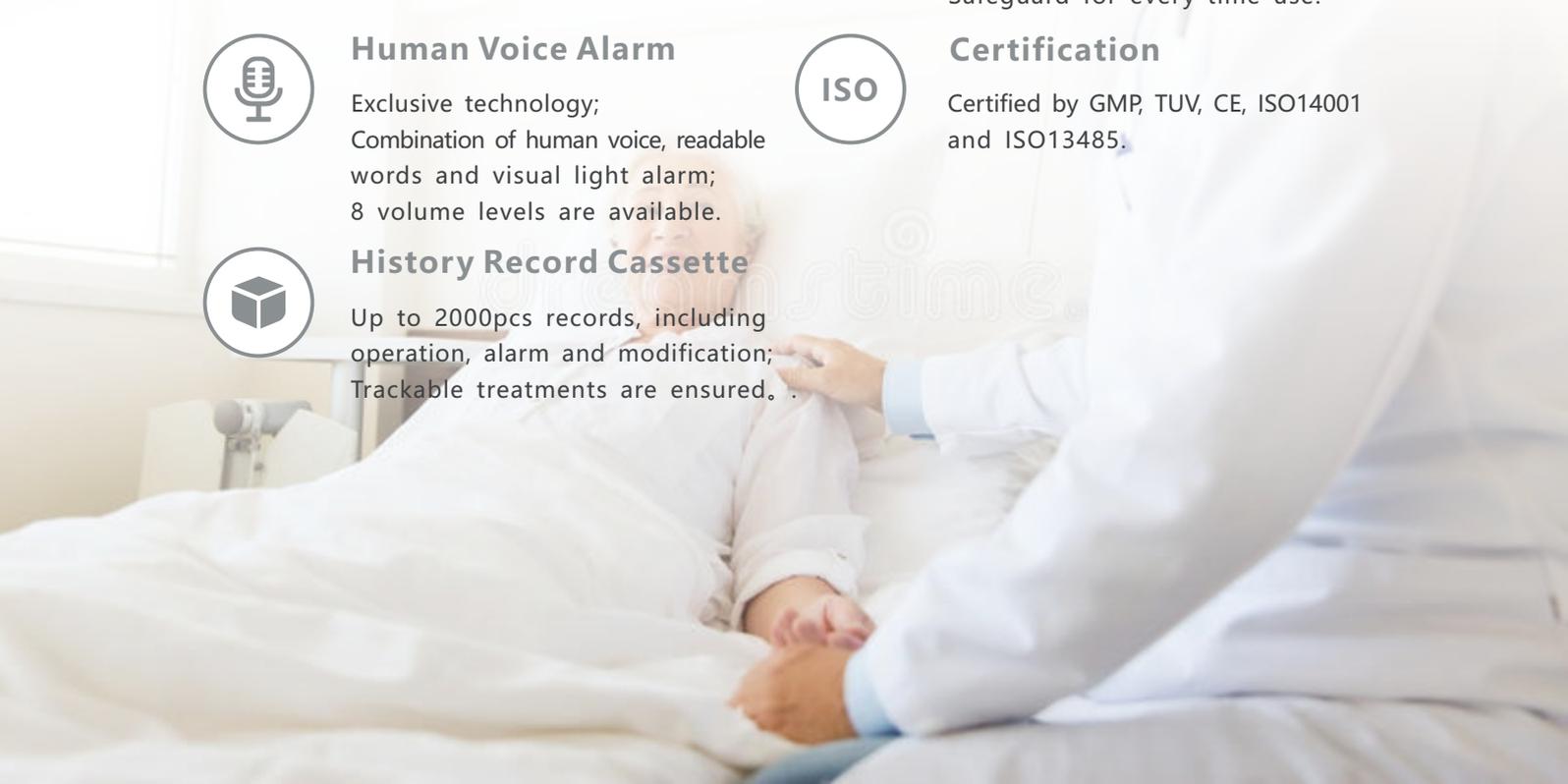
Certification

Certified by GMP, TUV, CE, ISO14001 and ISO13485.



History Record Cassette

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





Technical Data

Applicable Syringe Size	2ml, 5ml, 10ml, 20ml, 30ml, 50/60ml	
Rate	2ml:0.01~60ml/h, 10ml:0.01~300ml/h, 30ml:0.01~900ml/h,	5ml:0.01~150ml/h, 20ml:0.01~600ml/h, 50/60ml:0.01~2200ml/h
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/h, 10ml:0.01~300ml/h, 30ml:0.01~900ml/h,	5ml:0.01~150ml/h, 20ml:0.01~600ml/h, 50/60ml:0.01~2200ml/h
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	Infusion finished, near infusion end, VTBI finished, system stand-by completed, infusion is blocked, syringe falls off, syringe is improperly installed, forgotten operation, low battery, battery empty, abnormal running state, equipment failure, power failure etc.	
Prompts	Parameter overrun, infusion 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	301mm (L) \times 183mm (W) \times 82mm (H)	



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