



**BYOND**

**Sunfusion<sup>®</sup>**

Infusion Pump

Semi-2|Erch-6|Anim-8

Technology Serves Human Health

# Sunfusion<sup>®</sup> Infusion Pump



Semi-2



Erch-6



Anim-8



## Innovative Design

### > UI Design



- Brand-new appearance, small and lightweight, design as portable;
- 3.5" colorful touch screen to display various information on one page.

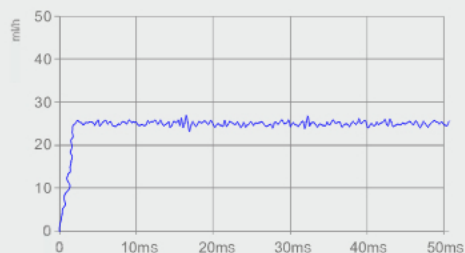
- High-quality PBT enclosure, which makes medical disinfection and cleaning convenient;
- Multi-and Across-combination of syringe pump and infusion pump are enabled by slide guide and lock catch design, which is safe and practical.

### > High-quality PBT Enclosure



## Intelligent Safety

### > Fast Start

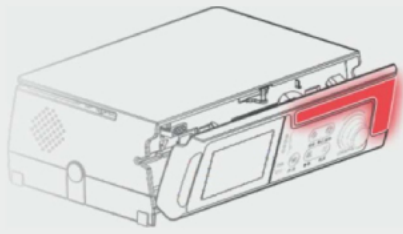


- 10 infusion modes are able to satisfy various clinical needs;
- 10 levels for forgotten operation time are selectable to suit diverse clinical situations;
- Dynamical pressure monitoring with 13 occlusion levels to protect patient's safety every single second.

- Rate are adjustable during running state;
- Tube fatigue recoup function is designed to recoup insufficient flow volume during long time use.



## > Dynamic Alarm Instructions



- Intuitively demonstrate operation instructions by the application of smart alarm system.
- Maintenance cycle is settable to prevent users from forgetting regular calibration.

$\leq \pm 3\%$   
 $\geq 1\text{ml/h}$

**Precision**

$0.1\text{ml/h}$   
 $2000\text{ml/h}$

**Rate**

5 Levels

**Bubbles Size**

IP24

**High IP Level**



## Features



### Auto-lock Screen

Up to 14 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

## Technical Data

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicable Infusion Set</b>                         | 1ml/15d, 1ml/19d, 1ml/20d, 1ml/60d                                                                                                                                                                                                                                                                                                                                                        |
| <b>Infusion Rate</b>                                   | ml/h mode: 0.1~2000ml/h<br>drop/min mode: 1~(400ml/h*d/60) d/min                                                                                                                                                                                                                                                                                                                          |
| <b>Unit Conversion</b>                                 | Conversion between drop/min and ml/h                                                                                                                                                                                                                                                                                                                                                      |
| <b>Bolus Rate &amp; VTBI</b><br>(Volume to be infused) | Bolus rate: 0.1~2000ml/h<br>VTBI: 0.1~50ml                                                                                                                                                                                                                                                                                                                                                |
| <b>FF Rate &amp; VTBI</b>                              | FF rate: 0.1~2000ml/h<br>VTBI: 0.1~9999.99ml                                                                                                                                                                                                                                                                                                                                              |
| <b>KVO Rate &amp; VTBI</b>                             | KVO rate: 0.1~5.0ml/h<br>VTBI: 0.1~1ml                                                                                                                                                                                                                                                                                                                                                    |
| <b>VTBI</b>                                            | 0.1~9999.99ml                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Cumulative Infusion Volume</b>                      | 0.01~9999.99ml                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Rate Accuracy</b>                                   | Rate $\geq$ 1ml/h: $\leq \pm 3\%$ (after calibration)<br>Rate $<$ 1ml/h: $\leq \pm 5\%$ (after calibration)                                                                                                                                                                                                                                                                               |
| <b>Occlusion Pressure</b>                              | 13 occlusion pressure levels                                                                                                                                                                                                                                                                                                                                                              |
| <b>Single Bubbles Size</b>                             | 5 levels ( 25 $\mu$ l, 50 $\mu$ l, 100 $\mu$ l, 200 $\mu$ l, 300 $\mu$ l)                                                                                                                                                                                                                                                                                                                 |
| <b>Alarms Information</b>                              | Near infusion end, infusion finished, standby task finished, upstream occlusion, downstream occlusion, KVO completed, door opening, air-in-line, forgotten operation, low battery, battery empty, abnormal running state, equipment failure, power failure, replace tube, drop sensor is pulled out, empty bottle, battery disconnected, etc.                                             |
| <b>Prompts</b>                                         | Parameter overrun, infusion start, AC power has been pulled out, speed overrun, infusion set installation error, uncalibrated accuracy, VTBI overrun.                                                                                                                                                                                                                                     |
| <b>Power Source</b>                                    | Input: 100~240VAC, 50/60Hz, Power consumption: 25VA<br>Internal rechargeable Li battery 11.1V, capacity $\geq$ 2600mAh, after the battery is fully charged, turn off wifi and set the screen brightness to "10" when the battery is fully charged, it can be used for infusion pump to work continuously for more than 7h at a rate of 25ml/h and for more than 5h at a rate of 2000ml/h. |
| <b>Drug Library</b>                                    | Can be configured and updated as needed                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dimensions</b>                                      | 248mm (L) ×183mm (W) ×83mm (H)                                                                                                                                                                                                                                                                                                                                                            |



**BYOND 比扬医疗**

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