

# SYS-70

The champion of infusion pump



## Specifications

Dimension	160(W) x 236(H) x 82(D) mm
Weight	About 1.42 kg (including the battery of standard configuration)
Date of Manufacture	See the label at the bottom of the product
Classification	Type CF, Class I (internally powered equipment), IP34
Screen	3.5" LCD touchscreen, 7 colors
Compatible IV set	All disposable IV sets conform to the ISO 8356-4 or ISO 8356-8 standards

## Basic Parameter

Infusion mode	Rate, Time, Weight, Loading Dose, Trapezia, Sequence, Micro, Drip Mode
Infusion rate range	0.1-1500 ml/h (or 0.03-500 d/min)
Increment	0.10 – 99.99 ml/h, minimum increment 0.01 ml/h 100 – 999.9 ml/h, minimum increment 0.1 ml/h 1000 – 1500 ml/h, minimum increment 1ml/h
VTBI range	0.10-99.99 ml (minimum increment 0.01 ml) 100.0 – 999.9 ml (minimum increment 0.1 ml) 1000 – 9999 ml (minimum increment 1 ml)
Preset time	1 min – 99 h 59 min, minimum increment 1 min
Total volume display	0 – 99999 ml
Accuracy	$\leq \pm 5\%$
KVO rate	0.1 – 30.0 ml/h
Bolus rate	Manual / Rapid quantitative: 1500 ml/h Automatic bolus: 0.1 – 1500 ml/h
Air-bubble detection	Single bubble size: 25, 50, 100, 200, 300, 500 and 800 ( $\mu$ l) Cumulated bubble size: 100 $\mu$ l/15 min, 200 $\mu$ l/15 min, 400 $\mu$ l/15 min, 500 $\mu$ l/15 min, 600 $\mu$ l/15 min, 800 $\mu$ l/15 min and 1000 $\mu$ l/15 min
Occlusion level	13 levels selectable, 75 mmHg – 975 mmHg

## Special Function

Recent therapy	20 recent therapies are recorded and can be used for rapid infusion
Rate change during infusion	Infusion rate can be changed anytime during infusion without stop
Auto screen lock	“OFF” and “ON”. 15s, 30s, 1min, 2min, 5min, 10min, 30min selectable when “ON” “OFF” by default

Drug library	Maximum 2000 drug types can be stored (default 60 preset drug types)
Repeat alarming	Alarm sounds again in 2min, if there is still any errors after the alarm is muted
Event recording	Maximum 2000 events can be stored and play back
Sound volume	10 levels selectable
Power supply switching	When AC/DC power supply is cut off, the infusion automatically switch to internal battery supply

### Power Supply

AC power	100 -240 V AC, 50/60 Hz, 35 VA input power
External DC power	DC 12 V, 2 A
Internal battery	Configuration 1(standard): one 11.1V 1500mAh lithium battery; Configuration 2 (optional): two 11.1V 1500mAh lithium batteries; Configuration 3 (optional): two 11.34V 2900mAh lithium batteries;
Battery duration	Configuration 1: > 5 hours @25ml/h with a new battery; Configuration 2 : >10 hours @ 25ml/h with new batteries; Configuration 3 : >20 hours @ 25ml/h with new batteries;
Charging time	Configuration 1: > 4 hours when powered off; Configuration 2 : >8 hours when powered off; Configuration 3 : >15 hours when powered off;

### Safe Requirement

Operating conditions	Temperature: 5°C to 40°C Humidity: 15% to 95% RH, non-condensing Pressure altitude: 53.9 kPa – 106.0 kPa
Storage conditions	Temperature: -20°C to +50°C Humidity:10% to 93% RH, non-condensing Pressure altitude: 22.0 kPa – 107.4 kPa

### Alarm

Visual and acoustic alarm	Near Finished, Finished, OCCL, Up OCCL, Low Battery, Battery Empty, No Battery, No Power Supply, Air Bubble, No Drip Sensor, No Drop, Drop Error, Reminder Alarm, Standby End, Pre OCCL, Door Open
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### Connectivity

WiFi / Wired	To connect central infusion monitoring system, nurse call, infusion pump network
Barcode scanning	Patient information input by barcode scanning
Data interface	Supported RS485, USB 3.0, LAN and WiFi (optional)

### Mounting

Handle	Available
Pole clamp direction	Can be mounted at different directions, 90°/180°/270°/360°



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