

SYS-50 Syringe Pump

Simple and Comfortable

- 3.5" Touch screen operation
- Large and clear user interface, providing medical staff with a pleasant visual experience and facilitating real-time observation of the infusion status



Information interconnection

- Optional built-in WiFi module
- Can connected to HIS/CIS via WLAN or LAN

Innovative and Safe

- Syringe slider protection
- Internal battery up to 20 hours continuous power supply

Smart and Convenient

- Certificated by EN1789 standard for ambulances and medical transportation vehicles
- Continuous titration: changing the flow rate without stopping the infusion

Specifications

Dimension	362(L) x 126(W) x 151(H) mm
Weight	1.8kg (including battery)
Screen	3.5 inch LCD touch screen
Classification	Defibrillation-proof type CF applied part, IP34
Syringe types	All standard syringe of 5ml, 10ml, 20ml, 30ml, 50ml, 60ml

Basic Parameter

Infusion modes	Rate, Time, Weight, Sequence, Trapezia, Loading dose, Micro, TIVA
Infusion rate range	0.1-2000 (ml/h), minimum increments 0.01 ml/h
VTBI range	0.1-9999 ml
Accumulated volume	0-9999.99 ml
Accuracy	± 2%
KVO rate	0.1 - 5 ml/h
Bolus rate	0.1-2000 ml/h
Occlusion level	11 levels selectable, 225mmHg – 975mmHg

Special Function

Recent therapy	20 recent therapies are recorded and can be directly used by simple selection
Rate change during infusion	Infusion rate can be changed during infusion without stop
Auto screen lock	Available
Repeat alarm	Alarm sounds again in 2min, if there is still any errors after the alarm is muted
Storage	Maximum 2000 records can be stored and reviewed
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, 50/60 Hz, 40 VA input power
External DC power	DC 12 V, 1.5 A
Internal battery	Lithium battery 10.8 V, 2600 mAh

Battery & Charging time

Configuration	Fast charging time (Power off)	Normal charging time (Power on)	Battery Operation time
One 2600mAh @10.8V battery	Within 5 hours	Within 10 hours	Not less than 10 hours (Two channels)
Two 2600mAh @10.8V batteries	Within 10 hours	Within 20 hours	Not less than 20 hours (Two channels)

NOTE: Infusion at 5ml/h with new battery under room temperature

Alarm

Near Finished, Finished, Syringe Empty, Syringe Near Empty, OCCL, Pressure Alarm, Low Battery, Battery Empty, No Battery, No Power Supply, Syringe Unknown, Syringe Install Error, Standby End, Syringe Start Fail, Reminder Alarm, Tube Off (only 30, 50/60ml syringe)

Connectivity

WiFi / Wired	Available
Data interface	USB

Safe Conditions

	Temperature:	Humidity:	Pressure altitude
Operating conditions	5°C to 40°C	15% to 95% RH, non-condensing	54.0 kPa – 106.0 kPa
Storage conditions	-20°C to +50°C	10% to 93% RH, non-condensing	22.0 kPa – 107.4 kPa



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