

BS-2203

2-Channel Target Controlled Infusion Pump



Flashing alarm indicator, providing you with the complete information at one easy glance.



Record the data of infusion

Transfer data in real time



Transfer data in real time

> Application:

1. Hypnotic and analgesic drugs used in anaesthesia. Infusion devices for the delivery of the iv hypnotic, propofol and the short acting analgesic, remifentanyl are currently available.
2. Antibacterial agents used in the critical care environment.
3. Antifungal agents used in the critical care environment
4. Anticancer chemotherapeutic agents
5. Inotropic agents used in cardiac surgery and coronary care units
6. Antiarrhythmic agents used in coronary care units and other critical care areas.
7. Short acting beta-blocking agents for control of heart rate intraoperatively or in the ICU.

> Features:

1. 2 Syringe Drive Systems	Both Syringes can delivery drugs independently and cooperatively with 3 Operation Modes.
2. 3 Operation Mode.	Plasma TCI (target controlled infusion) mode, Effect site TCI mode, and Flow rate controlled infusion mode.
3. 7 Flow Rate Units for options	ml/h, mg/h, ug/h, mg/kg/h, mg/kg/min, ug/kg/h, ug/kg/min.
4. 11 Drugs Available	Fentanyl, Alfentanil, Sufentanil, Midazolam, Propofol, Etomidate, Vecuronium, Atracurium, Rocuronium, Remifentanyl, Ketamine.
5. Interaction of Propofol-Remifentanyl	Calculating the drug interaction automatically, following up the advanced subjects of anesthesia in world.
6. Closed Loop Feedback TCI Mode	compensation for the individual difference of pharmacokinetic model.
7. Bolus Infusion Fuction	Getting through the period of irritation of patients safely and smoothly.
8. Multi-grade Induction	Avoid side-effect of continuous infusion.
9. Automatic Drug Compensation	Compensation for the infusion when the syringe is replaced, maintain the concentration required for the clinic.
10. Recovery Time Forecast	Help the doctor or nurse to stop the infusion at the right time.
11. Special Excessive Pressure Alarm	According the need of clinic, adjust the pressure alarm to improve the safety of injection.
12. Children Pharmacokinetic Model	The parameter of Children Pharmacokinetic Model.
13. Intelligent Graphic Display	A graphic display shows the trajectory of the estimated plasma and effect site drug concentration over time.
14. Large LCD Screen	320*240 Pixel
15. Flexible for data sharing with PC.	Interfaces of RS232, BIS and Ethernet enables the history data to be transmitted from pump to PC.

> Specification:

Syringes Available	20 ml Syringe	Automatically identify the syringes of different volume.
	50(60)ml syringe	Automatically identify the syringes of different volume.
Flow Rate	20 ml Syringe:	0.1~600ml/h
	50(60)ml syringe:	0.1~1200ml/h
Accuracy	±3% (capacity>2.0ml, flow rate >1.0ml/h, after pre-filling)	
Audible and flashing alarms	1.Syringe disengaged, 2.Empty of syringe, 3.Occlusion, 4.Near empty of syringe, 5.End of infusion, 6.AC Power-failed, 7.Low voltage	
Display	320* 240 pixel LCD Screen with convenient operation interface.	
Non-volatile memory	The pump memories all the setup parameters and history data of the last infusion.	
Operating conditions	Ambient temperature:	5℃~40℃
	Relative humidity (RH):	≤80%
	Power supply:	AC 220 V±22V 50 Hz ±1Hz;
	DC:	12V battery can use for 3 hours after charged for more than 10 hours.
Dimension & Weight	Atmospheric pressure:	860~1060hPa
	Dimension (mm):	300*200*2702
	Weight (kg):	3.5
Safety Classification	Class II & BF (internal battery)	