

BS-2201

Target Controlled Infusion Pump



Simple operation



Record the data of infusion



>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. 3 Operation Mode.	1. Plasma TCI (target controlled infusion) mode, 2. Effect site TCI mode, and 3. Flow rate controlled infusion mode.
2. 7 Flow Rate Units for options	ml/h, mg/h, ug/h, mg/kg/h, mg/kg/min, ug/kg/h, ug/kg/min.
3. 11 Drugs Available	Fentanyl, Alfentanil, Sufentanil, Midazolam, Propofol, Etomidate, Vecuronium, Atracurium, Rocuronium, Remifentanyl, Ketamine.
4. Multi-grade Induction	Avoid side-effect of continuous infusion.
5. Automatic Drug Compensation	Automatic compensation for drug when the infusion is paused and maintain the concentration required.
6. Recovery Time Forecast	Advanced intelligence, recovery time forecast function, help the doctors to stop the infusion at the right time.
7. Children Pharmacokinetic Model	The parameter of Children Pharmacokinetic Model.
8. Errors Adjustment	Accuracy: $\pm 3\%$.
9. Intelligent LCD Display	A graphic display shows the trajectory of the estimated plasma and effect site drug concentration over time.
10. Data sharing with PC	RS-232 interface enables the history data to be transmitted from pump to PC.

>Specification:

Syringe Available	20 ml Syringe	
	50(60)ml syringe	
Flow Rate	20 ml Syringe:	0.1~800ml/h
	50(60)ml syringe:	0.1~1200ml/h
Accuracy	$\pm 3\%$ (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	240*180 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):	$\leq 80\%$
	AC Power supply:	AC 220 V \pm 22V 50 Hz \pm 1Hz;
	DC Battery:	12V battery can use for 3 hours after charged for more than 10 hours.
	Atmospheric pressure:	860~1060hPa
Dimension & Weight	Dimension (mm):	336*153*132
	Weight (kg):	2.5
Safety Classification	Class II & BF (internal battery)	