

mindray

BeneFusion uVP

Infusion Pump

Data Sheet



Physical Specifications		Volume collection	4 methods: 24h total, current total, period, timing volume, support history rate review
Weight	≤ 1.3kg (with normal battery, without pole clamp); Pole clamp ≤ 0.15kg	Drug library	Up to 5000 drugs, support color- coding drug name
Size	≤ 125 x 95 x 186mm	DERS (Dose Error Reduction System)	Optional; definition of dose limits, automatic alarms when reaching dose limits
Screen	3.5 inch capacitive touchscreen, TFT color LCD, ≥320x480 pixels		
Brightness	1-8 levels, adjustable		
Display	Support large font view (customized information: flow rate, dose rate, VTBI, remaining time etc.); patient information, infusion information, alarm information, system status information		
Parameters Specifications		IV administration sets	
Accuracy	≤ ±4.5 % (for recommended sets)	Compatibility	Universal IV sets
Mode	Rate mode, Dose Mode, Time mode, Dose Time Mode, Sequential Mode, Intermittent Mode, Loading Dose Mode, Ramp Mode, Micro-infusion Mode, Drip Mode, Rhythm Dose		
Application supported	IV drug infusion, enteral nutrition feeding, and blood transfusion	Alarms	
Flow rate	0.10ml/h - 2000ml/h	Type	Audible and visual alarm
Increment	0.01ml/h (0.10-99.99ml/h), 0.1ml/h (100-999.9ml/h), 1ml/h (1000-2000ml/h)	2 Levels	High: Air in Line/ Accumulated Air/ Empty/ Drop Error/ Downstream Occlusion/ Infusion Set Disengaged/ No Infusion Tube/ Infusion Set Error /No Drop Sensor/ Battery Depleted/ VTBI Complete/ KVO Finish/ System Error, etc.
Preset volume (VTBI)	0.10 - 9999.99ml, increment: 0.01ml		
Preset time	00:00:01 - 99:59:59	Sound volume	1-8 levels selectable, default level 4
Accumulated volume	0.00 - 99999.99 ml, increment: 0.01ml	Reminder	1-5 minutes selectable, ON/OFF switchable
KVO	0.1 - 5.0ml/h, increment: 0.01ml/h		
Purge rate	0.1 - 2000ml/h	Connectivity	
Bolus rate	0.1 - 2000ml/h (automatic or manual)	Network	Wireless
Occlusion detection	50-1125mmHg, support 1mmHg increment Default 15 levels, default 450 mmHg Customized alarm levels Pre-alarm: an alert will pop out when the pressure is continuously going up Auto-restart: On/Off, restart the infusion when the occlusion pressure is reduced. 4 units of pressure selectable: mmHg/kPa/bar/psi	USB	Support drug library import, patient data import/export, history record export, calibration data import/export
Anti-bolus	Unexpected bolus reduced when the occlusion occurs	Multifunctional connector (optional)	RS232, nurse call connector, DC adapter, etc.
Dose rate units	ng/kg/min, ng/kg/h, ng/kg/24h, ug/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, g/kg/24h, mU/kg/min, mU/kg/h, mU/kg/24h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/min, kU/kg/h, kU/kg/24h, EU/kg/min, EU/kg/h, EU/kg/24h, mmol/kg/min, mmol/kg/h, mmol/kg/24h, mol/kg/min, mol/kg/h, mol/kg/24h, mcal/kg/min, mcal/kg/h, mcal/kg/24h, cal/kg/min, cal/kg/h, cal/kg/24h, kcal/kg/min, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h, mEq/kg/24h	Integration	Connect with BeneVision Central Monitoring System (CMS) Connect with BeneFusion nCS infusion central station Support HL7 protocol
Air bubbles detection	6 levels selectable: 15/50/100/250/500/800μL, accumulate air: 0.1-1.0ml/15min		
History log	Up to 5000 events	Battery	
Para. Memory	Previous therapy parameters will be loaded	Operating time	≥ 5.5 hours at 25ml/h (≥ 11 hours at 25ml/h for smart battery)
Auto-lock time	1 - 5 minutes selectable, ON/OFF switchable	Charging time	≤ 5 hours to full capacity (≤ 6 hours for smart battery)
		Power Supply	
			AC: voltage 100-240 VAC; frequency 50/60Hz; DC: 10 VDC to 16 VDC, 2.0A to 1.3A
		Work Environment	
		Temperature	5-40°C for operating, -20-60 °C for storage
		Relative humidity	15-95% for operating, 10-95% for storage
		Atmosphere pressure	57.0-107.4 kPa for operating, 16.0-107.4 kPa for storage
		Classification	Type CF, Class I, IP44
		Disinfection	Support 49 types of detergents
		Transfer	Support ambulance transfer

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