

BeneFusion uVP

Infusion Pump

Data Sheet



Physical Specifications

Weight	≤ 1.3kg (with normal battery, without pole clamp); Pole clamp ≤ 0.15kg
Size	≤ 125 x 95 x 186mm
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

Accuracy	≤ ±4.5 % (for recommended 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
Flow rate	0.10ml/h - 2000ml/h
Increment	0.01ml/h (0.10-99.99ml/h), 0.1ml/h (100-999.9ml/h), 1ml/h (1000-2000ml/h)
Preset volume (VTBI)	0.10 - 9999.99ml, increment: 0.01ml
Preset time	00:00:01 - 99:59:59
Accumulated volume	0.00 - 99999.99 ml, increment: 0.01ml
KVO	0.1 - 5.0ml/h, increment: 0.01ml/h
Purge rate	0.1 - 2000ml/h
Bolus rate	0.1 - 2000ml/h (automatic or manual)
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
Anti-bolus	Unexpected bolus reduced when the occlusion occurs
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
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
Para. Memory	Previous therapy parameters will be loaded
Auto-lock time	1 - 5 minutes selectable, ON/OFF switchable

Volume collection	4 methods: 24h total, current total, period, timing volume, support history rate review
Drug library	Up to 5000 drugs, support color-coding drug name
DERS (Dose Error Reduction System)	Optional; definition of dose limits, automatic alarms when reaching dose limits

IV administration sets

Compatibility	Universal IV sets
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Alarms

Type	Audible and visual alarm
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. Low: KVO Running/ Battery in Use/ Battery Error/ CMS/eGW Disconnected/ Standby Time Expired/ System Time Error/Time Near End/ Reminder/Low Battery, etc.
Sound volume	1-8 levels selectable, default level 4
Reminder	1-5 minutes selectable, ON/OFF switchable

Connectivity

Network	Wireless
USB	Support drug library import, patient data import/export, history record export, calibration data import/export
Multifunctional connector (optional)	RS232, nurse call connector, DC adapter, etc.
Integration	Connect with BeneVision Central Monitoring System (CMS) Connect with BeneFusion nCS infusion central station Support HL7 protocol

Battery

Operating time	≥ 5.5 hours at 25ml/h (≥ 11 hours at 25ml/h for smart battery)
Charging time	≤ 5 hours to full capacity (≤ 6 hours for smart battery)

Power Supply

	AC: voltage 100-240 VAC; frequency 50/60Hz; current 0.30-0.13A DC: 10 VDC to 16 VDC, 2.0A to 1.3A
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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