

# BeneFusion SP5

Syringe Pump

Data Sheet



## Physical Specifications

Weight	< 2.5kg
Size	295 x 174 x 87mm
Screen	3.5-inch TFT color LCD; 480 x 272 pixels
Brightness	1-8 levels, adjustable
Display	infusion rate, VTBI, total volume, pressure limit & status, drug name, remaining time, alarm status, battery status, size of syringe, brand of syringe

## Parameters Specifications

Accuracy	≤ ±2%
Mode	rate mode, time mode, body weight mode ramp up/down mode, sequential mode, micro-infusion mode, loading dose mode, intermittent mode
Flow rate	0.1-2000ml/h
Increment	0.01ml(0.1-99.99ml/h); 0.1ml(100-999.9ml/h); 1ml(1000-2000ml/h)
Preset volume(VTBI)	0.10 - 9999.99ml (increment: 0.01ml)
Preset time	00:00:01-99:59:59, adjustable
Accumulated volume	0.1-9999.99 ml
KVO	0.1-5.0ml/h adjustable, step 0.1ml/h, default is 1.0ml/h
Purge	0.10-2000ml/h
Bolus rate	0.1-2000ml/h (automatic or manual)
Occlusion detection	12 levels selectable: 75-975mmHg, default is 450mmHg; 4 units of pressure selectable: mmHg/kPa/bar/psi, default is mmHg
Anti-bolus	unexpected bolus reduced when the occlusion occurs
Dose rate units	ng/kg/min, µg/kg/h, ug/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/h, EU/kg/h, mmol/kg/h, mol/kg/h, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h
Auto-lock time	1 - 5 minutes selectable; ON/OFF switchable

Drug library	up to 2000 drugs; ON/OFF switchable
History log	up to 2000 records
Volume collection	available in 4 methods: 24H total, current total, period, timing
Dose Error Reduction System (DERS)	available; definition of dose limits; automatic alarms when reaching dose limits

## Syringes

Compatibility	2/3/5/10/20/30/50/60ml; automatic recognition of syringe size
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## Alarms

Type	audible and visual alarm
3 Levels	High: occlusion / no power / syringe empty /no syringe/ KVO finished/system error
	Medium: abnormal system/ standby times expired
	Low: reminder/ low battery/syringe near empty/ VTBI near done/ No AC power
Sound volume	1-8 levels selectable, default is level 4
Reminder	1-5 minutes selectable; ON/OFF switchable

## Battery

Operating time	≥ 10 hours at 5ml/h
Charging time	≤ 6 hours to full capacity

## Interface

RS232; nurse call connector; DC adapter

## Power Supply

voltage 100-240 V~ ; frequency 50/60Hz;  
current 0.4-0.14A

## 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	57-106 kPa for operating; 50-106 kPa for storage
Level of resistance to water and dust:	IP23

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