

BeneFusion SP3

Syringe Pump

Data Sheet



Physical Specifications

Weight	< 1.8 kg
Size	340 x 125 x 135mm
Screen	3.0" LCD monochrome screen, 240 x 128 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, Body Weight Mode, Time Mode, Intermittent Mode, Sequential Mode, Loading Dose Mode, Micro-infusion Mode, TIVA Mode and Ramp Mode
Flow rate	0.1-2000ml/h
Increment	The minimum increment is 0.01ml/h
Preset volume(VTBI)	0.1-9999ml (increment: 0.1ml)
Preset time	00:00:01-99:59:59, adjustable
Standby time	00:01-99:59
Accumulated volume	0.1-9999 ml
KVO	0.1-30ml/h, default is 0.5 ml/h
Purge rate	0.1-2000ml/h
Bolus rate	0.1-2000ml/h (automatic or manual)
Occlusion detection	14 Levels are adjustable, respectively are (75, 150, 225, 300, 375, 450, 525, 600, 675, 750, 825, 900, 975 and 1050) mmHg 4 units of pressure selectable: mmHg/kPa/bar/psi, default is mmHg
Anti-bolus	unexpected bolus reduced when the occlusion occurs
Dose rate units	ug/kg/min, ug/kg/h, ug/kg/24h, mg/kg/min, mg/kg/h, mg/kg/24h, g/kg/min, g/kg/h, ng/kg/min, ng/kg/h, mU/kg/min, mU/kg/h, U/kg/min, U/kg/h, U/kg/24h, kU/kg/min, kU/kg/h, EU/kg/min, EU/kg/h, mmol/kg/min, mmol/kg/h, mol/kg/min, mol/kg/h, kcal/kg/min, kcal/kg/h, kcal/kg/24h, mEq/kg/min, mEq/kg/h, mIU/kg/min, mIU/kg/h, IU/kg/min, IU/kg/h, kIU/kg/min, kIU/kg/h, ug/min, ug/h, mg/min, mg/h, g/min, g/h, ng/min, ng/h, mIU/min, mIU/h, IU/min, IU/h, mol/min, mol/h, mmol/min, mmol/h, kcal/min, kcal/h, mEq/min, mEq/h, kIU/min, kIU/h, kU/min, kU/h,

Auto-lock time	EU/min, EU/h, U/min, U/h 1 - 5 minutes selectable; ON/OFF switchable
Drug library	up to 200 drugs; ON/OFF switchable
History log	up to 2000 records
Volume collection	available in 4 methods: 24H Total, Current Total, Period, Timing

Syringes

Compatibility	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 battery / VTBI complete / syringe empty / no syringe / KVO finish / system error/ syringe disengaged; Medium: system abnormal / standby time expired; Low: reminder/ low battery/ syringe near empty/time near end/No AC power/ communication interrupted/ KVO running/ infusion interrupted/ parameter unconfirmed
Sound volume	1-8 levels selectable, default is level 4
Reminder	1-5 minutes selectable; ON/OFF switchable

Battery

Operating time	≥ 6 hours at 5ml/h (standard), ≥ 12 hours at 5ml/h(optional)
Charging time	≤ 5 hours to full capacity (standard) ≤ 10 hours to full capacity (optional)

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	IP34

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P/N: ENG-BeneFusion SP3 Datasheet-210285x2P-20210204

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