

ASPEN SP-1

Syringe Pump

CHARACTERISTICS

- Compatible with any standard Syringes
- Auto Calibration of Syringes
- Three working modes: Rate control mode, Time control mode and Dose-Weight control mode
- Auto Detection of Syringe volume. Broad range in delivery rate settings
- 8 Hours internal battery life (running at 5ml/h)
- Three levels of alarm volume: high, medium and low.
- Three levels of occlusion pressure: high, medium and low.
- KVO function after infusion is complete, the pump automatically switches to the smallest flow to prevent creating the thrombus.



Technical Specification:

Model: SP-1

Compatible Syringe: Any standard syringe with 10ml, 20ml(30ml) and 50ml(60ml)

Accuracy: $\pm 2\%$ (after the correct calibration)

Flow Rate Range:

Syringe	ml/h
50ml(60ml)	0.1~1800.0ml/h (0.1ml/h step)
20ml(30ml)	0.1~800.0ml/h (0.1ml/h step)
10ml	0.1~400.0ml/h (0.1ml/h step)

Time Mode Range:

SOL.VOL. : 0.1~199.9 (0.1ml step)

TIME : 1~1999min (1min step)

Body Weight Mode Range:

SOL.VOL. : 0.1~199.9(0.1ml step)

DRUG MASS : 0.1~999.9mg(0.1mg step)

DOSE : 0.01~99.99ug/kg/min(0.01 step)

WEIGHT : 0.1~300kg(0.1kg the least step)

Volume Limit Range: 0~1999.9ml (0.1 ml step)

Total Volume Range: 0.1~1999.9ml (0.1 ml step)

Bolus/ Purge Rate: 50ml(60ml): 1800.0ml/h

20ml(30ml) : 800.0ml/h

10ml : 400.0ml/h

KVO Rate: 1ml/h

Alarms:

Near empty, Syringe empty, Volume complete, Occlusion, Syringe loose, Operation error, Low battery and other device failures.

Power Source:

AC power supply: AC 100 to 240V $\pm 10\%$, 50/60Hz ;

Internal Li Battery: 11.5V, 2000mAh.

Power Consumption: $\leq 25VA$

Shock Protection: Class I , Type BF

Dimensions: 280mm \times 160mm \times 130mm

Net Weight: Approximately. 3.5kg

Operating Conditions: Ambient temperature: 5 to 40 $^{\circ}C$. Relative humidity: 20 to 90%

Storage Condition: Ambient temperature: -10 to 55 $^{\circ}C$. Relative humidity: 10 to 90%

* Due to continues upgradation features subject to change without prior notice.

Local Contact:

