

ON OFF **SEP-21S PLUS**

Double syringe pump

SAFE & ACCURATE
EASY & FRIENDLY TO USE



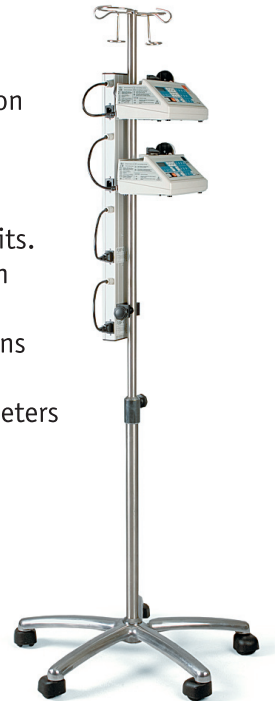
Provides simultaneous infusion via two independent channels

SEP-21S PLUS



The SEP-21S Plus ensures accurate volume delivery and consistent flow of infusions via two independent channels, in general wards and anesthesia departments.

- Intuitive and user friendly operation achieved through dialog menu.
- Expanded maximum infusion rate up to 1500 ml/h.
- The wide range of infusion rate units.
- Set-up menu enables customization of the pump.
- Anti-bolus and anti-siphon functions increase patient safety.
- Titration allows changing of parameters without interruption of infusion.
- All major brand syringes from 5 ml to 100 ml are accepted.
- Drug library contains 15 drug names and can be updated by physician.



Specifications

Model	SEP-21S Plus
Flow rate range	0.1-99.9 ml/h in 0.1 ml/h; 100-1500 ml/h in 1 ml/h
Volume limit	0.1-999 ml or No limit
Total volume	0.1-99999 ml
Infusion rate in mass units (option)	0.1-999 in mg/h or µg/h, mg/kg/h, µg/kg/h, mg/kg/min, µg/kg/min
Accuracy with approved syringes	± 2%
Compatible syringes, ml	10, 20, 30, 50/60 and 100 ml of more than 30 brands
Occlusion pressure	(120, 80, 40) kPa or (90, 60, 30) kPa
Bolus rate	10 – 1500 ml/h
Alarms	No Mains; Low Battery; Very Low Battery; Occlusion; 5 min Pre-alarm; KOR (KVO); End of Infusion; Syringe Empty; Internal Error
Classification	Class II, CF, IPX4
Operation conditions	+5 to +40 °C
Storage conditions	-20 to +40 °C
Power supply	(220-230) VAC ± 10%, 50/60 Hz, or internal rechargeable battery
Power consumption	17 VA (max)
Battery type	Built-in NiMH 9.6 V 1300 mAh

Battery life	8 h @ 5ml/h
Display type	16 characters x 2 line LCD with back-light
Weight	4.2 kg
Dimensions	135x306x272 mm
Selectable options for customized operations	<i>Enabled via set-up menu:</i> Total infused volume; Infusion rate limit; Automatic bolus; Bolus rate programming; Rate in mg(µg)/h; Rate in mg(µg)/kg/h(min); Syringe brand displaying; Calculation of concentration; KOR function; Autosave; Titration; Standby; Password; Key beep
Special features	Selectable infusion modes; Syringe size detector; Syringe list configuration; Drug list configuration; Alarm volume adjustment; Infusion rate from drug volume and time of delivery; Date and time displaying
Options	115 VAC ± 10%, 50/60 Hz; RS232; Event log 12VDC external supply; Nurse Call; Profile modes; Acceptance of 5 ml syringe
Certificates	CE 0408 EN ISO 9001:2000 e34 030004 EN 1789:1999 + A1:2003
Warranty	1 year

Product line



• SEP-10S



• SEP-10S PLUS



• SEP-12S PLUS



• SP-12S PRO



• SP-14S

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