

SEP-12S PLUS

Anaesthesia syringe pump

SAFE & ACCURATE
EASY & FRIENDLY TO USE



*The perfect solution for
anaesthesia in any depart-
ment of your hospital*

SEP-12S PLUS



The SEP-12S Plus offers several profiles modes that will improve the anaesthetics agents' delivery results.

- The accurate delivery of anesthetics agents is performed through sophisticated profile modes.
- Password protected access to parameters.
- The wide range of infusion rate units simplifies the programming of new drug infusion protocols.
- All major syringe brands from 5 ml to 100 ml are accepted.
- The drug library contains 30 drug names and can be updated by the physician.



Specifications

Model	SEP-12S Plus
Flow rate range	0.1-99,9 in 0.1 ml/h steps; 100-1500 in 1 ml/h steps
Volume limit	0.1-999 ml or No limit
Total volume	0.1-99999 ml
Infusion rate in mass units	0.1-999.9 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 (BD, Monoject, Terumo, BBraun and etc.)
Occlusion pressure	120 kPa, 80 kPa, 40 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	10 VA (max)
Battery type	Built-in NiMH 9.6 V 1300 ml/h

Battery life	8 h @ 5ml/h
Display type	16 characters x 2 line LCD with back-light
Weight	2.6 kg
Dimensions	135x305x195 mm
Selectable options	<i>Enabled via set-up menu:</i>
for customized operations	Total infused volume; Infusion rate limit; Automatic bolus; Bolus rate programming; Rate in mg(µg)/h; Rate in mg(µg)/kg/h(min); Calculation of concentration; Syringe brand displaying; KOR function; Autosave; Titration; Standby; Password; Key beep
Special features	Selectable infusion modes; Syringe size detector; Syringe set configuration; Drug list configuration; Infusion rate from drug volume and time of delivery; Date and time displaying; Alarm volume adjustment
Options	110 VAC ± 10%, 50/60 Hz; Nurse Call; 12VDC external supply; Profile mode; Acceptance of 5 ml syringe; Battery; NiMH 9.6 V1800mAh
Certificates	CE 0408 EN ISO 9001:2000; EN ISO 13485:2003;
Warranty	1 year

Product line



• SEP-10S



• SEP-10S PLUS



• SP-12S PRO



• SP-14S



• SEP-21 PLUS

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