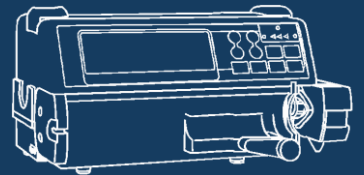


# MEDICAL DEVICES

## **INfusia** SP7s



INFUSION SYRINGE PUMP  
WITH DRUG LIBRARY



**FRESENIUS  
KABI**

caring for life

**INFUSION**

Flow rate range	50 ml syringe: From 0.1 to 1800.0 ml/h 30 ml syringe: From 0.1 to 1200.0 ml/h 20ml syringe: From 0.1 to 800.0 ml/h 10ml syringe: From 0.1 to 400.0 ml/h 5 ml syringe: From 0.1 to 200.0 ml/h Increment: 0.1 ml/h for all syringe types
Syringe capacities	5 ml, 10 ml, 20 ml, 30 ml, 50 ml/60 ml
Accuracy	± 1 % Device Accuracy( Without Disposable variability), ± 3% total accuracy
Volume to be infused	From 0.0 to 9999.9 ml, 0.1 ml increment
Infusion time	From 00 h 01 min to 99 h 59 min, min increment
Priming	Manual or by using the purge/bolus function of the pump
Bolus or purge rate	50 ml syringe: From 0.1 to 1800.0 ml/h 30 ml syringe: From 0.1 to 1200.0 ml/h 20ml syringe: From 0.1 to 800.0 ml/h 10ml syringe: From 0.1 to 400.0 ml/h 5 ml syringe: From 0.1 to 200.0 ml/h Increment: 0.1 ml/h for all syringe types
Bolus volume	From 1.0 to 100.0 ml, 0.1 ml increment
KVO rate	From 0.1 to 1.0 ml/h or the last delivery rate

**Parameters in dose mode**

Drug Mass	From 0.1 to 9999, 0.1 increment
Drug Mass Units	g, mg, U, IU
Dose	From 0.001 to 9999, 0.001 increment; From 10.00 to 9999, 0.01 increment; From 100.0 to 9999, 0.1 increment; From 1000 to 9999, 1 increment
Dose Units	ng/kg/min, ug/kg/min, mg/kg/min, g/kg/min, U/kg/min, IU/kg/min, ng/kg/h, ug/kg/h, mg/kg/h, g/kg/h, U/kg/h, IU/kg/h, ng/min, ug/min, mg/min, g/min, U/min, IU/min, ng/h, ug/h, mg/h, g/h, U/h, IU/h, ml/h.
Patient Weight	From 0.1 to 300kg, 0.1 increment
Solution Volume	From 0.1 to 60.0 ml, 0.1 ml increment

**PRESSURE MANAGEMENT**

Pressure modes	3 pre-set levels available: High (H): 135 kPa ± 15% Medium (M): 100 kPa ± 20% Low (L): 65 kPa ± 30%
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**ALARMS**

Pump status	Green light running on arrow display for infusion in progress, red alarm alert for warnings, KVO and Bolus indicator All alarms are expressed by means of light indicators, written words and sound beeps
Syringe position control	Syringe barrel clasp check, flange insertion, plunger head detection
Infusion control	Occlusion pressure alarm, end of infusion alarm and near empty alarm
Device control	Disengaged syringe alarm, low battery alarm and technical malfunction alarm

**TECHNICAL SPECIFICATIONS**

Display	Blue LCD display (9.6 x 2.9 cm)
Stackability	Stack up to maximum of 8 channels
Dimensions/ Weight	(L/W/H) 230 x 150 x 125 mm (Not including Pole clamp), Approx. 2.2 kg
Battery	11.1 Vdc, 2000 mAh - Li-ion polymer battery The battery operating time is up to 8 hours when fully charged running at a rate of 25 ml/h Battery recharge: Pump OFF: < 10 h, Pump ON: < 14 h
Compliance Standard	EN/IEC 60601-1, EN/IEC 60601-2-24, EN/IEC60601-1-8, IEC 60529:2001
Waterproofness	IPX4
Electrical compliance	Protection against leakage current: type CF applied part Protection against electric shocks: class I
Power supply	AC 100 ~ 240 V, 50/60 Hz

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