

INfusia® SP7
INFUSION SYRINGE PUMP

INfusia® SP7s
INFUSION SYRINGE PUMP WITH DRUG LIBRARY



IT/FUSIASYCPMP/4 Page/LBL/99/4/2019/Cycle 2
For the use of a registered medical practitioner or a hospital or a laboratory only.

CIN:U24231PN1995PTC014017


INfusia® SP7 INFUSION SYRINGE PUMP


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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 | 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 |
| Syringes capacities | 5 ml, 10 ml, 20 ml (30 ml), 50 ml (60 ml) | | 5 ml, 10 ml, 20 ml, 30 ml, 50 ml/60 ml | |
| Accuracy | ±1% device accuracy (without disposable variability), ±3% total accuracy | | ±1% device accuracy (without disposable variability), ±3% total accuracy | |
| Infusion modes | ml/h, Volume/Time, Volume Limit & Dose Mode | | ml/h, Volume/Time, Volume Limit & Dose Mode | |
| Volume to be infused | From 0.0 to 1999.9 ml, 0.1 ml increment | | From 0.0 to 9999.9 ml, 0.1 ml increment | |
| Infusion Time | From 1.0 min to 1999 min, 1 min increment | | From 1.0 min to 1999 min, 1 min increment | |
| 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 | | 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 | | From 1.0 to 100.0 ml, 0.1 ml increment | |
| Anti Bolus System | Yes | | Yes | |
| Data log event | 5,000 events | | 5,000 events | |
| KVO rate | 1.0 ml/h or the last delivery rate, whichever is lower | | 1.0 ml/h or the last delivery rate, whichever is lower | |
| PARAMETERS IN DOSE MODE | | | | |
| Drug Mass | From 0.1 to 999.9 mg, 0.1 mg increment | | From 0.1 to 999.9 mg, 0.1 mg increment | |
| Dose | From 0.01 to 99.99 ug/kg/min, 0.01 increment, or From 0.01 to 99.99 mg/kg/h, 0.01 increment | | From 0.01 to 99.99, 0.01 increment. (For the listed dose units) | |
| Dose units | ug/kg/min mg/kg/h | | 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 99.9 kg, 0.1 increment | From 100 to 300 kg, 1 increment | From 0.1 to 99.9 kg, 0.1 increment | From 100 to 300 kg, 1 increment |
| Solution Volume | From 0.1 to 199.9 ml, 0.1 ml increment | | From 0.1 to 199.9 ml, 0.1 ml increment | |

Pressure Mgmt.

| | | |
|-----------------------|---|---|
| Pressure modes | 3 pre-set levels available: High (135 kPa ± 15%) Medium (100 kPa ± 20%) Low (65 kPa ± 30%) | 3 pre-set levels available: High (135 kPa ± 15%) Medium (100 kPa ± 20%) Low (65 kPa ± 30%) |
|-----------------------|---|---|

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 | 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 | Syringe barrel clasp check, flange insertion, plunger head detection |
| Infusion control | Occlusion pressure alarm, end of infusion alarm and near empty alarm | Occlusion pressure alarm, end of infusion alarm and near empty alarm |
| Device control | Disengaged syringe alarm, low battery alarm and technical malfunction alarm | Disengaged syringe alarm, low battery alarm and technical malfunction alarm |

Technical specifications

| | | |
|------------------------------|---|---|
| Display | Color LCD display (10.4 x 3.2 cm) | Monochromatic display (10.4 X 3.2 cm) |
| Stackability | Stack up to maximum of 8 channels | 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 | (L/W/H) 230 x 150 x 125 mm (Not including Pole clamp), Approx. 2.2 kg |
| Drug library | NA | Available 1030 drugs in 17 categories |
| 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 | 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/IEC60601-8, IEC 60529:2001 | EN/IEC 60601-1,EN/IEC 60601-2-24, EN/IEC60601-8, IEC 60529:2001 |
| Waterproofness | IPX4 | IPX4 |
| Electrical compliance | Protection against leakage current: type CF applied part Protection against electric shocks: class I | Protection against leakage current: type CF applied part Protection against electric shocks: class I |
| Power supply | AC 100 ~ 240 V, 50/60 Hz | AC 100 ~ 240 V, 50/60 Hz |