

Syringe pumps

Model

PILOT A2

Simplicity on a daily basis

Pilot A2 is a syringe pump that allows precise intravenous infusion at low flow rate.

A large syringe choice, universal symbols for the user interface, clear information of different alarms and securities make the Pilot A2 very user friendly.

One syringe drive.



Performances

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| Flow rate selection range | 0.1 to 400 ml/h (preset at 200 ml/h), 0.1 ml/h increment, adjustable rate range. |
| Syringe selection | 12 types of luer lock 50/60 ml and 20 ml, 10 ml with accessory. automatic syringe volume recognition. |
| Flow rate accuracy | ± 1% on drive mechanism / ± 2% on syringes. |
| Name of the drug | 15 drug names proposed, easy to customize. |
| Bolus rate | programmable from 50 up to 500 ml/h, with infused volume display, protected access. |
| Prime rate | 500 ml/h. |
| Stop | 1 minute. |
| Programmable pause | 1 minute to 9 hours 59 minutes. |
| Alarms, prealarms and safety | <ul style="list-style-type: none"> ▪ integral syringe protection: syringe barrel clasp, plunger and flanges detection, anti-siphon system check, disengaged driving mechanism alarm. ▪ checking infusion: occlusion pressure alarm, end of infusion prealarm and alarm, volume limit prealarm and alarm, KVO rate, unconfirmed programming. ▪ device control: low battery prealarm, discharged battery alarm, mains disconnection warning, technical malfunction alarm (autotest, motor rotation, preventive maintenance warning), mains disconnection warning. |
| Pressure limit | choice of three adjustable pressure alarm limits for nominal back pressure values of 300 mmHg / 525 mmHg / 900 mmHg. |
| Anti-bolus system | bolus volume reduction at occlusion release (0.3 maximum). |
| Volume limit | 1 to 99.9 ml, 0.1 ml increment ; 100 to 999 ml, 1 ml increment. |
| Total volume infused | 0.1 to 999.9 ml, also totalize the volume manually infused. |
| KVO rate | 1 ml/h or programmed rate if lower than 1 ml/h. |
| Available configurations | name of the drug (15 programmable names) ; syringe flanges detection ; flow rate memorizing ; syringe selection type ; maximum flowrate to be selected on the keyboard ; bolus rate memorizing ; syringe list configuration to be selected ; priming mandatory prior to start ; KVO rate ; empty syringe mode ; frequency of maintenance. |
| RS 232 serial link | on request. |

Note: values given for a 50/60 ml syringe.

Technical specifications

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| Compliance | <p>complies with the 93/42 EEC: European Medical Device Directive CE 0459 including 89/336 EEC (European Electromagnetic Compatibility directive requirements).</p> <p>complies with EN 60601-1 and EN 60601-2-24 requirements.</p> <ul style="list-style-type: none"> ▪ waterproofness: protection against ingress of liquid IP34 (CEI 529). ▪ protection against leakage current: type CF equipment <input checked="" type="checkbox"/>. ▪ protection against electrical shocks: class II equipment <input type="checkbox"/>. |
| Mains supply | 230 V ~ 50/60 Hz (110 V available on request for non EU countries). |
| Battery | <p>characteristics: 6V 1.1/1.3 Ah - sealed lead acid battery rechargeable.</p> <p>battery life: 7 hours minimum, at 5 ml/h for a 50/60 syringe, displayed in hours / minutes.</p> <p>internal charger: for lead acid battery, easy recycle accumulator.</p> |
| External supply | 12-15 V dc 15 W. |
| Dimensions / Weight | W=120, H=330, D=155 mm / 2,2 kg. |