



Infusion Pump KIP-A100

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Infusion Pump KIP–A100 is a single-channel light-weight, drip-type volumetric fluid delivery system. Digitally driven fluid-control, automated calibration and dose titration enhances safety. Peristaltic pumping mechanism ensures precise flow-measurement and prevents back-flow of IV fluid. Backlit display enables suitably ambient illumination to operate even at low light condition.

Features:

Infusion Modes - Rate mode, Time mode, Volume mode

Automated calibration

Provision for infusion fluid warming

Built-in drug database library

Suitable for all brands of IV set

Alarm: Infusion Complete, Occlusion, Door Open, Air Bubble,

Low Battery, Setting Error, Power failure, Stand-by

Applications:

Used in general ward, ICU in hospital to gradually administer intra-venous fluid drug dosage at a predetermined rate through syringe for consistent and effective infusion therapy.

Specifications :

Accuracy	Flow rate: $\pm 3\%$ Mechanical: $\pm 2\%$
Battery	11.1 V rechargeable Li-ion battery; > 2000 mAh Works more than 4 hours at 25 ml/h after charging for 8 hours
Bolus	10 ml/h ~ 1200 ml/h at 0.1 ml/h (flow rate 100 ml/h) 10 ml/h ~ 1200 ml/h at 1 ml/h (flow rate > 100 ml/h)
Channel	Single channel infusion
Dimensions	188 x 198 x 228 mm
Display	4.3-inch colour LCD with backlight
Drop Rate	1 drop/min ~ 400 drops/min (1 drop/min increment)
Drug Library	Database of up to 210 drugs
Environmental Condition : Operation	Operating temperature $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ Operating humidity 20 % ~ 90 %
Environmental Condition: Storage	Storage temperature $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$ Storage humidity 10 % ~ 90 %
Fuse	F1AL / 250 V
Infusion Rate	1.0 ml/h ~ 99.9 ml/h (0.1 ml/h increment) 100 ml/h ~ 1200 ml/h (1 ml/h increment)
KVO Rate	1 ml/h (1 ml/h ~ 300 ml/h) 3 ml/h (greater than 300 ml/h)
Memory	Up to 1500 record entries
Occlusion System	3 selectable occlusion levels
Occlusion Threshold	High: 800 mmHg $\pm$ 200 mmHg (106.7 kPa $\pm$ 26.7 kPa) Medium: 500 mmHg $\pm$ 100 mmHg (66.7 kPa $\pm$ 13.3 kPa) Low: 300 mmHg $\pm$ 100 mmHg (40.7 kPa $\pm$ 13.3 kPa)
Power Supply	AC 85 ~ 265 V, 50/60 Hz, 40 VA
Purge	800 ml/h
Sensitivity [Bubble detection]	> 25 μL
Therapy Timer Range	1 min ~ 9999 min (1 min increment)
Volume (VTBI)	1 ml ~ 9999.9 ml (0.1 ml increment)
Weight	2.5 Kgs



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