



SP 305⁺ SYRINGE PUMP



Intuitive Innovation In IV Therapy

Usage: NICU | ICU | CICU | PICU | ANESTHESIA | ONCOLOGY | CARDIOLOGY

Home Care – Ambulatory Condition

Key Features

- TFT colour LCD Display 2.4"
- Microprocessor controlled syringe pump
- Compact in size
- Accepts 5/10, 20/30, 50/60 ml syringes
- Drug dose calculation facility
- Antibolus System
- Adjustable KVO Rate
- Use friendly keyboard with keypad lock option
- Inbuilt drug library of 84 drugs with subset Drug Library option
- 6 hours of battery backup
- Types of Infusion Mode -
 1. Flow rate Vs VTBI Mode
 2. Infusion Time Vs VTBI Mode
 3. Body weight Vs VTBI
 4. Sequential Mode

Technical Data

Product ID – PB9H02

General

Dimension	: 280 (L) X 120 (H) X 130 (W) mm
Net Weight	: 1.70 kg Max.
Display	: TFT Colour LCD Display

Power Supply

Power Source	: 110/240V AC ±10%, 50/60 Hz External DC socket, 12V AC ±10%, DC : 1.5 A max
Power Consumption	: 15 VA
Battery Type	: Li-ion
Battery Backup	: 6 hours at 5 ml/hr
Battery Recharging	: 24 hours for full charging
Fuse in mains	: 2A (slow – blow)

Syringe

Syringe Capacity	: 5/10, 20/30, 50/60 ml Automatic identification of syringe sizes
Syringe Acceptability	: All available Standard Indian and other brand Syringes [BD, Dispovan etc.] Can be programmed
Syringe Loading	: Front Loading with Manual and Automatic option

Drug Library

Library of 84 drug names with subset selection

Flow Rate Range

Syringe Capacity	Flow Rate
5/10 ml	: 0.01 to 60.0 ml/hr
20/30 ml	: 0.01 to 100.0 ml/hr
50/60 ml	: 0.01 to 200.0 ml/hr
High flow rate range (Password protected for safety reasons)	
Syringe Capacity	Flow Rate
5/10 ml	: 0.01 to 300.0 ml/hr
20/30 ml	: 0.01 to 500.0 ml/hr
50/60 ml	: 0.01 to 1200.0 ml/hr

Bolus Rate Range

Syringe Capacity	Flow Rate
5/10 ml	: Max. 300 ml/hr
20/30 ml	: Max. 500 ml/hr
50/60 ml	: Max. 1200 ml/hr

Volume Range

Preset Infusion Volume	: From 0.1 ml to 9999.9 ml
Cumulative Volume	: 0.1 – 9999.9 ml
Time Pre-Selection	: 0.1 – 99.9 h

Accuracy

Volume (excluding syringe)	: ± 3%
Flow Rate (excluding syringe)	: ± 3%

Occlusion Levels & Settings

Low	: Approx. 0.3 Bar
Medium	: Approx. 0.6 Bar
High	: Approx. 1.2 Bar

Keep Vein Open (KVO) Rate

KVO Automatic	: Approx. 0.3 Bar
For 0.01 ml/h to 0.5 ml/h	: same as Infusion rate
For 0.6 ml/h to 50.0 ml/h	: 0.5 ml/h
For 50.1 ml/h to 100.0 ml/h	: 1% of Infusion rate
For above 100.0 ml/h	: 1.0 ml/h

KVO (Manual)	
Use Selectable	: 0.01 ml/h to 10 ml/h

Alarms

Battery pre-alarm (30 min. before battery discharge), Power disconnection Alarm, Syringe alarm, End of Infusion Pre-alarm (1 to 9 min.), End of Infusion, Occlusion Alarm, Internal Malfunction, Plunger disengage alarm Preventive Maintenance, Alarm power off

Operating Conditions

Ambient Temp	: +5 to + 40 C
Relative Humidity	: 20 – 90% RH (Non – Condensing)
Storage Temp	: 0°C to + 50°C
Atmospheric Pressure	: 900hPa to 1060hPa

Standard Accessories

AC Power Cord
Operating Manual
Stainless Steel Piston Pusher Protection Guard

*Optional Accessories

RS 232 port and cable for single pump Software on PC
For monitoring syringe pump.
Multiple AC Cord for up to 8 pumps
Multiple Stacking up to 4 Pumps on IVPole with stacking cable

Designed to meet the requirements of following International Standards

- Class II, Type CF as per IEC 60601 – 1
- IPX2 as per IEC 60529
- Class IIb as per 93/42 EEC (MDD)
- EMI / EMC as per IEC 60601 - 1 – 2
- IEC 60601 – 2 – 24

Manufactured By:



*All the accessories and modules in the leaflet are optional and are not part of the standard scope of supply, unless otherwise specified in the written quotation. Staysee reserved the right to make changes in specifications and features shown herein or discontinue the product described at any time without obligation. Staysee will not be liable for consequences resulting from the use of this catalogue.

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