



SP305

SYRINGE PUMP



Intuitive Innovation In IV Therapy

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

Key Features

- TFT colour LCD display
- Microprocessor controlled syringe pump
- Compact in size
- Accepts 5/10, 20/30, 50/60 ml syringes
- Drug dose calculation facility
- Sequential Infusion Mode
- Inbuilt drug library of 84 drugs
- Use friendly keyboard with keypad lock option
- 6 hours of battery backup

Technical Data

Product ID - PB9H01

General

Dimension : 280 (L) x 120 (H) x 130 (W) mm
 Net weight : 1.60 kg approx.
 Display : TFT colour LCD display

Power Supply

Power Source : 110/240V AC ±10%, 50/60 Hz
 External DC socket, 12V AC ±10%, DC : 1.5A 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, Dipsovan etc]. Can be programmed as per customer requirements
 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 999.9 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. 1000 ml/hr

Volume Range

Preset Infusion Volume : From 0.1 ml to 9999.9 ml
 Cumulative Volume : 0.1 - 999.9 ml
 Time Pre-Selection : 0.1 - 99.9 h

Accuracy

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

Occlusion Levels & Settings

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)
 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 : 0C to +50 °C
 Atmospheric Pressure : 900hPa to 1060hPa

Standard Accessories

AC Power cord
 Operating manual

*Optional Accessories

RS 232 port and cable for single pump Software on PC for monitoring single syringe pump.
 Multiple AC cord for upto 8 pumps

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: