

# IPS 13 RS

infusion/withdrawal mode



<b>MODEL</b>	IPS13RS
<b>MODE</b>	Infusion/withdrawal
<b>SYRINGES</b>	
<b>Capacity</b>	2 Interdependent
<b>Type</b>	Glass, plastic, steel
<b>Min Size</b>	Hamilton 0.5 µl (ID:0.103mm)
<b>Max Size</b>	Monoject 140 ml (ID:38mm)
<b>FLOW RATE</b>	
<b>Min</b>	1.17 µl/min (Hamilton 0.5 µl)
<b>Max</b>	75.945 ml/min (140 ml Monoject Syringe)
<b>MOTOR TYPE</b>	Stepper Motor
<b>MOTOR DRIVE CONTROLLER</b>	Microcontroller with Microstep Drive
<b>STEP RESOLUTION (Travel/Microstep)</b>	223.2 nm/µstep
<b>STEP RATE</b>	
<b>Min</b>	10 sec/µstep
<b>Max</b>	200 µsec/µstep
<b>LINEAR SPEED RATE (PUSHER TRAVEL RATE)</b>	
<b>Min</b>	1.34 µm/min
<b>Max</b>	66.96 mm/min
<b>LINEAR FORCE</b>	30 kg (each syringe:15 kg)
<b>CONNECTORS</b>	Wi-fi (optional)
<b>RECIPE SAVE-RECALL</b>	Yes
<b>POWER SUPPLY</b>	12 VDC 1A (110-240 VAC adapter included)
<b>DIMENSIONS</b>	W:211 L:250 H:143 mm
<b>WEIGHT</b>	3.2 kg
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
<b>Operating Temperature</b>	Between -10 and 50 C
<b>Storage Temperature</b>	Between -30 and 85 C
<b>Operating Humidity</b>	RH 10% - RH 90% (not condensed)
<b>Storage Humidity</b>	RH 10% - RH 90% (not condensed)

- Double Channel
- 4.3" Resistive Touch TFT LCD screen
- Microcontroller software
- User friendly interface
- High precise pumping
- Adjustable flow rate even during process

INFUSION/WITHDRAWAL (FORWARD AND BACKWARD)

### 5 STEPS OPERATION MODE



SAVING AND RECALLING  
SUBSEQUENTLY UP TO 5 RECIPES

