

# Syringe Pump



## Features

The syringe pump with infusion/withdrawal mode, stainless steel body, and large-screen chromatic LCD is easy to operate. It can install and fix different types of injectors or syringes in the same time, and it is suitable for transferring micro flow rates with high precision (non-medical).

## Model Number

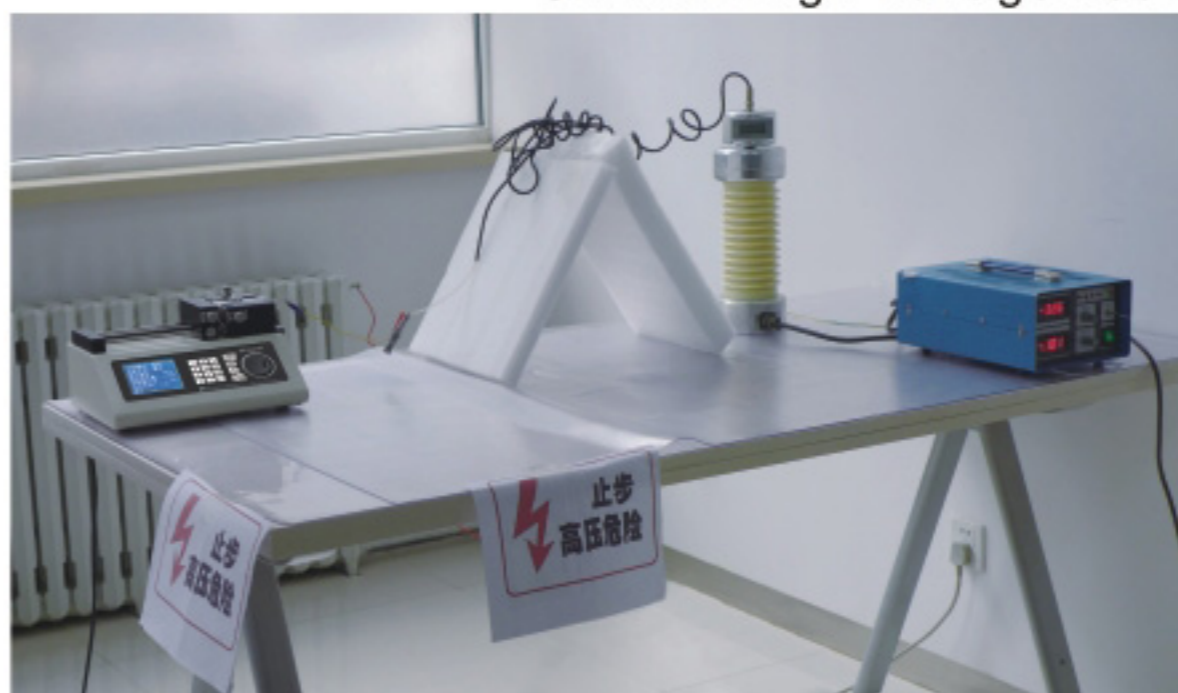
- | SPLab01(1 channel) | SPLab02(2 channels)
- | SPLab04(4 channels) | SPLab06(6 channels)
- | SPLab08(8 channels) | SPLab10(10 channels)
- | SPLab12(12 channels)



## Typical Application

Special for high voltage electrostatic spinning

## 32.4 KV High Voltage Test



## Technical Specifications

Working mode(6 kinds)	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous, additional mode (infusion/withdrawal, then exclude bubble).						
Channel number	1	2	4	6	8	10	12
Syringe size	10uL-140mL			10 μ L-10mL			
Flow rate	0.001uL/min-127mL/min			0.001 μ L/min-21.997mL/min			
Drive dimension(mm)	282*209*165	282*236*158	282*209*175				
Infusion volume per microstep	0.078 μ m						
Min. linear rate	5 μ m/min						
Max. linear rate	132mm/min						
Min. step rate	0.035ms/Mirco step						
Max. step rate	0.937sec/Mirco step						
Max.linear force	16kgf						
Advance per microstep	0.078 μ m						
Accuracy	≤ ± 0.5%						
Operating mode	Rotary encoded switch and imported membrane keypad						
Display mode	320 × 240TFT-LCD						
Power-off memory	Display the previous data parameter after power supply again						
Power supply	AC 220V ± 10%(standard),AC 110V ± 10%(optional)						
Operating condition	Temperature 0-40°C, Relative humidity <80%						
External interface	Active switch signal: 5V						
Communication interface	RS485, Modbus protocol(RTU mode)						
Syringe	Inside Diameter(mm)	Flow Rate(μ L/min-mL/min)					
		SPLab01/SPLab02			SPLab04-SPLab12		
1mL	4.70	0.087~2.290			0.087~2.290		
2.5mL	9.70	0.370~9.755			0.370~9.755		
5mL	12.48	0.612~16.147			0.612~16.147		
10 mL	15.89	0.992~26.177			0.992~26.177		
20mL	20.00	1.571~41.469			---		
30 mL	22.50	1.988~52.484			---		
50 mL	28.90	3.280~86.588			---		

