



Syringe Pump



SPLab02-Dual channel

Model Number

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



SPLab01-Single channel

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).

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	10 μ L-100mL		10 μ L-10mL				
Flow rates	0.001 μ L/min-127 mL/min		0.001 μ L/min-21.997mL/min				
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	10kgf						
Advance per microstep	0.078 μ m						
Accuracy	≤ ± 0.5%						
Operating mode	Rotary encoded switch and 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℃. Relative humidity <80%						

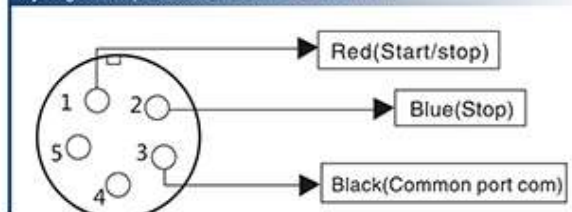


Syringe	Inside diameter(mm)	Flow rates(μ L/min-mL/min)	
		SPLab01/SPLab02	SPLab03-SPLab10
50 μ L	1.03	0.004-0.110	0.004-0.110
1mL	4.61	0.083-2.203	0.083-2.203
2.5mL	7.28	0.208-5.492	0.208-5.492
5mL	10.30	0.417-10.993	0.417-10.993
10 mL	14.57	0.834-21.997	0.834-21.997
25 mL	23.03	2.083-54.958	—
50 mL	32.57	4.166-109.921	—
60 mL	32.57	4.166-108.310	—

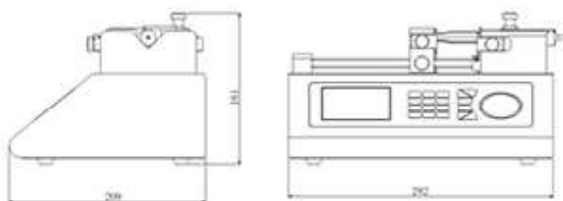
Installation Sizes Drawing (Unit: mm)

Channel No.	4	6	8	10	12
L	145	190	235	280	325

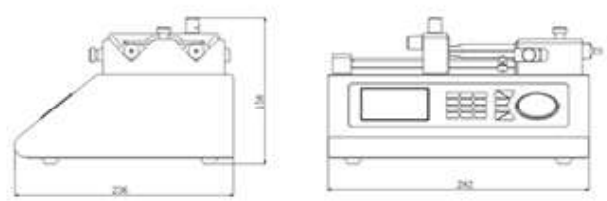
Syringe Pump External Control Schematic



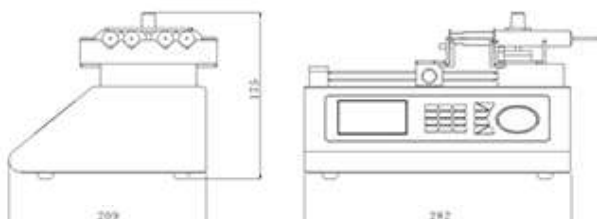
SPLab01



SPLab02



SPLab04



SPLab10

