

Syringe Pump

Technical Specifications

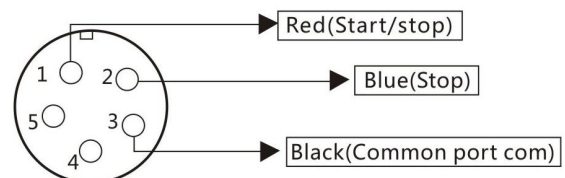
Working mode(6 kinds)	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous, additional mode (infusion/withdrawal, then exclude bubble).						
Channel number	1	2	4	6	8	10	12
Syringe size	10 μ L-100mL			10 μ L-10mL			
Flow rate	0.001 μ L/min-127 mL/min			0.001 μ L/min-21.997mL/min			
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	$\leq \pm 0.5\%$						
Operating mode	Rotary encoded switch and imported membrane keypad						
Display mode	320 \times 240TFT-LCD						
Power-off memory	Display the previous data parameter after power supply again						
Power supply	AC 220V $\pm 10\%$ (standard),AC 110V $\pm 10\%$ (optional)						
Operating condition	Temperature 0-40 $^{\circ}$ C, Relative humidity <80%						

Syringe	Inside Diameter(mm)	Flow Rate(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
5 mL	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	—

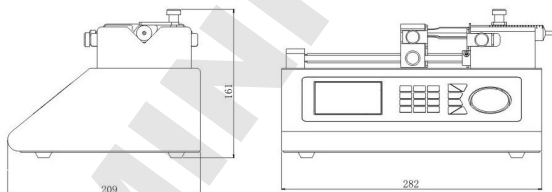
Installation Sizes Drawing (Unit: mm)

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

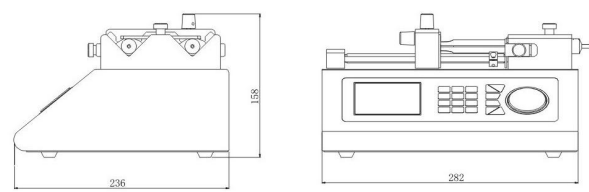
Syringe Pump External Control Schematic



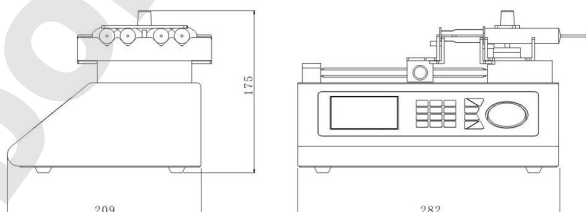
SPLab01



SPLab02



SPLab04



SPLab10

