Syringe Pump

Technical Specifications

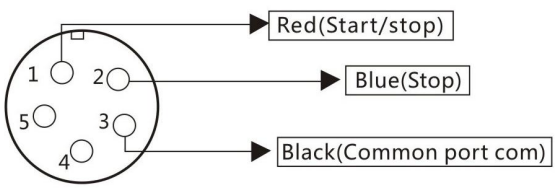
Working mode(6 kinds)	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous, additional mode (infusion/withdrawal, then exclude bubble).						
Channel number	1	2	4	6	8	10	12
Syringe size	10μL-100mL		10μL-10mL				
Flow rate	0.001μL/min-127 mL/min		0.001μL/min-21.997mL/min				
Infusion volume per microstep	0.078μm						
Min. linear rate	5μm/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	0.078μm						
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℃, Relative humidity <80%						

Syringe	Inside Diameter(mm)	Flow Rate(μL/min-mL/min)	
		SPLab01/SPLab02	SPLab03-SPLab10
50μL	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	——

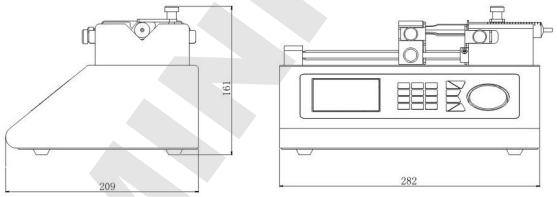
Installation Sizes Drawing(Unit: mm)

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

Syringe Pump External Control Schematic



SPLab01



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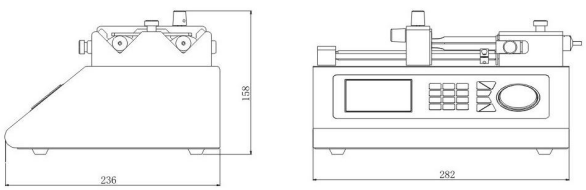

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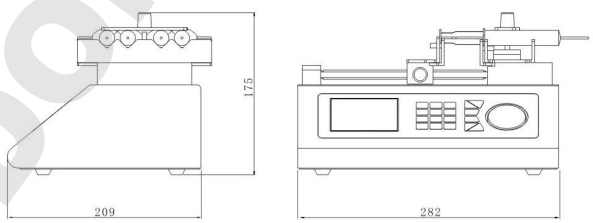
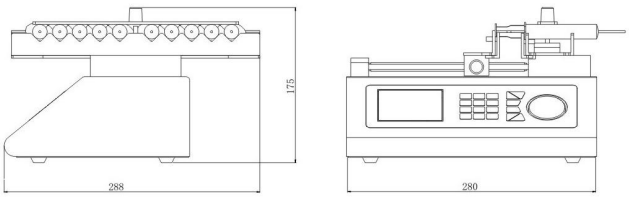


SPLab10



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