

Technical Specifications

Working mode	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion						
Channel number	1	2	4	6	8	10	12
Syringe size	10μL-140mL		10μL-10mL				
Syringe selection	Syringe size and customized diameter						
Linear speed range	1μm/min-132mm/min(Flow rate=Linear speed* syringe inner cut area)						
Min. linear rate	1μm/min						
Linear force	8-20kgf, online adjust						
Max. stroke	140mm						
Stoke resolution	0.078μm/μstep						
Accuracy	Error ≤±0.3% (Stoke ≥30% of maximum stroke)						
Back distance	0.01-10mm						
Stored modes	Can save at most 60 common modes						
Display	Industrial grade 4.3"LCD color display						
Control method	Touch screen and Mechanical keypad						
Power-off memory	Display the previous data parameter after power supply again						
Output	OC gate signal output,used to indicate running status and direction						
External control	Start/stop signal, withdrawal and infusion signal, active switch signal: (5-24V)						
	Start/stop signal, passive switch signal, such as foot pedal switch						
Communication interface	RS232/RS485, Modbus protocol(RTU mode)						
Power supply	AC90-264V/64W						
Condition temperature	0-40						
Relative humidity	<80%						
IP rate	IP31						
Dimension(mm)	282*215*165	282*242*157	280*209*175		280*235*175	282*280*175	282*325*175
Weight	4.44kg	4.62kg	4.56kg	4.78kg	4.96kg	5.18kg	5.38kg

Syringe	Inside Diameter (mm)	Flow Rate(uL/min-mL/min)	
		ISPLab01/SPLab02	ISPLab04-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
10mL	15.89	0.992~26.177	0.992~26.177
20mL	20.00	1.571~41.469	_____
30mL	22.50	1.988~52.484	_____
50mL	28.90	3.280~86.588	_____

