

Laboratorial Syringe Pump

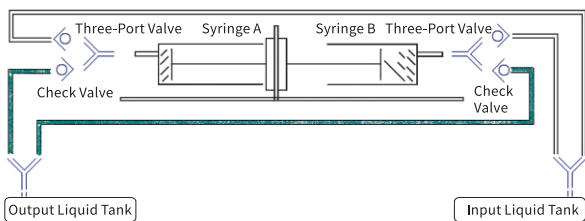
LSP01-1C



SYRINGE PUMP

- Mainly used in laboratorial applications. High accuracy, suitable for continuous transferring of low-flow liquid.

LSP01-1C Tubing Connection Illustration



Work mode	Infusion and withdrawal synchronous and continuous
Channel	1
Stroke of pump	140mm
Pusher advance per microstep	0.156um
Linear speed	5um/min-65mm/min
Linear speed resolution	5um/min
Linear travel accuracy	≤±0.5% when travel ≥30% of pump stroke
Linear force(max.)	>90N
Syringe selection	Built-in syringe branches, sizes and IDS for selection
Syringe user-defined	Can store four user-defined syringe IDS
Flow rate calibration	Improve flow rate accuracy
Running parameters setting	Dispensing volume, infusion time, etc.
Display setting	Display volume, flow rate or linear speed
Power-off memory	Storing the running parameters automatically
Status signal output	1 OC gate signal to indicate start/stop
Control signal input	Falling edge or TTL signal to control start/stop
Communication	RS485
Dimensions (L×W×H)	280×210×140(mm)
Weight	3.6kg
Power supply	AC 90V-260V/15W
Operating temperature	0 to 40°C
Relative humidity	<80%

Model	Product Code	Syringe	Syringe ID(mm)	Flow Rate(μL/min-mL/min)
LSP01-1C	05.03.42A	10uL	0.50	0.001μL/min-0.0128mL/min
		25uL	0.80	0.0025μL/min-0.0327mL/min
		50uL	1.10	0.0048μL/min-0.0618mL/min
		100uL	1.60	0.0101μL/min-0.1307mL/min
		250uL	2.30	0.0208μL/min-0.2701mL/min
		500uL	3.25	0.0415μL/min-0.5392mL/min
		1mL	4.72	0.0875μL/min-1.1373mL/min
		2mL	9.00	0.3181μL/min-4.1351mL/min
		5mL	13.10	0.6739μL/min-8.7608mL/min
		10mL	16.60	1.0821μL/min-14.068mL/min