

Laboratorial Systematic Syringe Pump

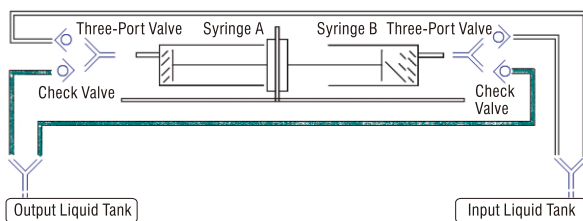
LSP01-1C



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	0.156μm
Linear speed	5 μm/min-65mm/min
Linear speed resolution	5 μm/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)	280×220×140 (mm)
Weight	3.6kg
Power supply	AC 90V-260V/15W
Operating temperature	0 to 40℃
Relative humidity	<80%

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