

$ESD \geq \text{Level IV}$
(IEC 61000-4-2)
Excellent EMC performance

LSP02-2B
L2605-3B



LSP01-3A
L2601-3A



NEW

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LSP01-3A、LSP02-2B

Mainly used in Lab applications.

Excellent EMC performance, ESD ≥ Level IV (IEC 61000-4-2)



Specifications	Model	LSP01-3A	LSP02-2B
Work mode		Infusion	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous
Channel		1	2
Stroke of pump			140mm
Pusher advance per microstep			0.156μm
Linear speed		5μm/min-65mm/min	5μm/min-130mm/min(Flow rate=Linear speed * Section area of the barrel)
Linear speed resolution			5μm/min
Linear travel accuracy		≤ ±0.5% when travel ≥30% of pump stroke	
Linear force(max.)		> 90N	>180N
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		Infusion volume, infusion time, etc	Infusion/Withdrawal volume, infusion time, withdrawal time, pause time, etc
Display setting		Display volume, flow rate or linear speed	
Power-off memory		Storing the running parameters automatically	
status signal output		2 output signals (OC gate signal) to indicate start/stop and direction	
Control signal input		Falling edge or TTL signal to control Start/stop	
Communication interface		RS485	
Dimensions (L×W×H)		280 × 210 × 140 (mm)	280 × 250 × 140 (mm)
Weight		3.6kg	4.3kg
Power supply		AC 196V-240V/20W	AC 196V-240V/40W
Operating temperature		0 to 40°C	
Relative humidity		<80%	

Controller Model (Product Code)		LSP01-3A(05.03.40B)	LSP02-2B(05.03.44B)
Syringe	Syringe ID(mm)	Flow Rate(μL/min - mL/min)	
10μL	0.50	0.001-0.0128	0.001-0.0255
25μL	0.80	0.0025-0.0327	0.0025-0.0653
50μL	1.10	0.0048-0.0618	0.0048-0.1235
100μL	1.60	0.0101-0.1307	0.0101-0.2614
250μL	2.30	0.0208-0.2701	0.0208-0.5401
500μL	3.25	0.0415-0.5392	0.0415-1.0784
1mL	4.72	0.0875-1.1373	0.0875-2.2747
2mL	9.00	0.3181-4.1351	0.3181-8.2702
5mL	13.10	0.6739-8.7608	0.6739-17.522
10mL	16.60	1.0821-14.068	1.0821-28.135
20mL	19.00	1.4176-18.429	1.4176-36.859
30mL	23.00	2.0774-27.006	2.0774-54.012
60mL	29.14	3.3346-43.349	3.3346-86.699