



LSP10-1B, 10 Channels Syringe Pump

LSP10-1B is an infusion/withdrawal syringe pump, which could be mounted with 10 syringes at most. The acceptable syringe specification is from 10 µL to 10 mL. Suitable for high accuracy & small flow rate liquid transferring.

Features:

- Syringe Selection: The syringe can be selected in the manufacturer table which includes manufacturer, material and size or input the inner diameter of the syringe barrel directly
- Easy to operate: Combining big screen LCD display with rotary coded switch and membrane keypad makes the operation simple and prompt.
- Working Mode: Infusion, withdrawal, infusion/withdrawal,

withdrawal/infusion, continuous

- Memory Function: 1. The parameters are saved in EEPROM. The parameters don't need to be reset when power returns after an interruption. 2. In flow rate mode, the pump remains running or stop according to the setting parameters when power returns
- Protection Function: The pump will stall and give an alarm when the drive structure of the pump is blocked
- Communication Function: Realize computer control through RS485 communication interface
- External Control Function: Input/output control
- Calibration Function: Acquire accurate volume through calibration
- Syringe Protection: Adjust syringe rest to prevent syringe from damaging.

Model	LSP10-1B
Number of Channels	10
Injected Volume per Micro-step	0.0257µL (10 mL BD Syringe)
Syringe Size	10µL – 10 mL
Flow Rate (60 mL Syringe)	0.831nL/min – 21.675 mL/min
Dimensions (mm)	280×250×140
Weights (Kg)	4.3
Working Mode	Infusion / Withdraw
Linear Force	> 18Kg
Advance per Micro-step	1/16 Step (0.156µL)
Max. Step Rate	13867 (1/16 step)/sec
Min. Step Rate	16 (1/16) / 30 sec
Max. Linear Rate	130 mm/min
Min. Linear Rate	5µL/min
Accuracy	≤0.5% error in the condition of ≥30% of max. infusion distance
Setting Mode	Rotary coded switch and membrane keypad
Display	128x64 graphic LCD
Power Supply	AC100 -240V
Operation Condition	Temperature: 5°C – 40°C, Relative humidity: <80%
Dimensions	280×330×140 (mm)
Weight	5.3kg

Model	Syringe	Syringe ID (mm)	Flow Rate (µL/min–mL/min)
LSP10-1B	10µL	0.50	0.001–0.0255
	25µL	0.80	0.0025–0.0653
	50µL	1.10	0.0048–0.1235
	100µL	1.60	0.0101–0.2614
	250µL	2.30	0.0208–0.5401
	500µL	3.25	0.0415–1.0784
	1mL	4.72	0.0875–2.2747
	2mL	9.00	0.3181–8.2702
	5mL	13.10	0.6739–17.522
	10mL	16.60	1.0821–28.135