

Laboratorial High-pressure Syringe Pump

LSP01-1BH



Mainly used in laboratorial applications. Suitable for viscous and high pressure liquid transferring.

Work mode	Infusion, withdrawal, infusion/withdrawal, withdrawal/infusion, continuous
Channel	1
Stroke of pump	140mm
Pusher advance per microstep	0.156 μ m
Linear speed	5 μ m/min-130mm/min
Linear speed resolution	5 μ m/min
Linear travel accuracy	$\leq \pm 0.5\%$ when travel $\geq 30\%$ of pump stroke
Linear force(max.)	$> 450\text{N}$
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, 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)	280×250×140 (mm)
Weight	6.3kg
Power supply	AC 90V-260V/25W
Operating temperature	0 to 40°C
Relative humidity	$< 80\%$

Model	Product Code	Syringe(mL)	Syringe ID(mm)	Flow Rate (μ L/min-mL/min)	Outlet Pressure (Mpa)
LSP01-1BH	05.03.43A	2.5	4.79	0.0901-2.3426	19.48
		8	9	0.3181-8.2702	7.07
		20	19.05	1.4251-37.053	1.58
		50	28.6	3.2121-83.5152	0.56
		100	34.9	4.7831-124.361	0.37