Standard Peristaltic Pump

L100-1S-2

Flow Rate

* Product L100-1S-1(product code:050241A) has same performance and parameters as L100-1S-2, but only can be controlled by keypad.

- Mainly designed for Laboratory and light industry applications.
- With precise speed control in 0.01rpm resolution (10000:1 turndown ratio) and a flow rate calibration function, the pump has higher accuracy and a wider range of flow rates.
- With the intelligent fan control, the pump makes less noise and has better energy efficiency.
- LCD with specially designed screen displays parameters and running status, this provides the necessary information for correct operation.

Speed	0.01rpm-100rpm, CW/CCW
Speed resolution	0.01rpm resolution within the speed of 0.01rpm-10rpm 0.1rpm resolution within the speed of 10rpm-100rpm
Display	LCD
Control mode	Keypad control, external signal control and communication control
Work mode	Speed control mode and flow rate mode
Flow rate mode	Flow rate is displayed and the pump runs continuously at the set flow rate
Flow rate calibration	Improve the flow rate accuracy
Flow rate setting range	0.01μL/min-999L/min, unit could be set as μL/min, mL/min or L/min
External control	Start/stop control (switch signal), direction control (switch signal), speed control (0-5V, 0-10V, 4-20mA, 0-10kHz are optional with uniform interface, from 0-10rpm in 0.01rpm resolution, from 10-100rpm in 0.1rpm resolution)
Communication control	RS485 interface, Longer protocol or Modbus protocol, the communication parameters (address, baud rate, parity, stop bit) can be set through keypad
Timing function	Set the running time (13 options), the pump can run/stop automatically
Parameter memory	Operating parameters will be saved automatically
Status when powered up	The pump status when powered up can be set as stop or as the status before power loss
Prime	Fast filling or emptying at full speed
Keypad lock function	Keypad can be locked to prevent the misoperation. The delay time before lock is settable.
Dimension(L×W×H)	232×142×149(mm)
Power supply	AC100V-240V/25W, 50/60Hz
Operating temperature	0 to 40°C
Relative humidity	＜80%
IP rating	IP31
Weight	2.38kg

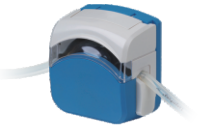
Pump Head Options

YZ1515x, YZ2515x

YZII15, YZII25

BZ15, BZ25

DMD15-13-B, DMD15-13-D



FG15-13, FG25-13

DG15-24, DG15-28

DG-1, DG-2, DG-4, DG-6, DG-8

Model (Product code)	Pump head	Tubing	Flow Rate Reference	Weight (kg)
L100-1S-2 (05.02.42A)	YZ1515x, YZII15	13# 14# 19# 16# 25# 17# 18#	0.6μL/min - 380mL/min	2.78
	YZ2515x	15# 24#	16μL/min - 270mL/min	
	YZII25	15# 24# 35# 36#	16μL/min - 500mL/min	
	FG15-13	13# 14# 19# 16# 25# 17# 18#	0.5μL/min - 430mL/min	2.66
	FG25-13	15# 24#	22μL/min - 320mL/min	
	DMD15-13-B, DMD15-13-D	2×13# 2×14# 2×19# 2×16# 2×25#	2μL/min - 375mL/min	2.81
	BZ15-13-A	14#	3μL/min - 22mL/min	2.69
	BZ15-13-B	16#	8μL/min - 80mL/min	
	BZ15-13-C	25#	16μL/min - 150mL/min	
	BZ15-13-D	17#	27μL/min - 270mL/min	
	BZ25-13-B	24#	27μL/min - 250mL/min	
	DG15-24	16# 25# 17#	8μL/min - 300mL/min(Single channel)	3.2
	DG15-28	13# 14# ID≤3.17mm Wall Thickness 1mm	0.31μL/min - 75mL/min(Single channel)	3.05
	DG-(1,2,4,6,8)6 Rollers	ID≤3.17mm Wall Thickness 0.8-1mm	0.21μL/min - 48mL/min(Single channel)	2.58-3.01
	DG-(1,2,4)10 Rollers		0.15μL/min - 32mL/min(Single channel)	