

# Flow Rates Peristaltic Pump

Model No. : LabV1-III

Flow Rate : 0.0053-775mL/min



Single Channel



Dual Channel

## Product Features

Industrial grade 4.3" true color LCD screen, touch screen control.

Mechanical keypad control pump start, stop, full speed and direction.

Dynamic display transferring status. Flow rate data, setting parameters and system configuration display in the same screen.

3 Kinds of working mode: fixed volume metering, fixed time and volume, timer start and stop, meet different transferring and dispensing request.

Intelligent calibration function and online micro adjusting function.

## Screen Display

Real-time flow rate changeable by touching

Display area for setting parameter

Display area for dynamic working

Function setting are changeable by touching

Display area for running parameter

Fixed Volume Measurement Setting Interface

Fixed Time and Volume Setting Interface

Time Start and Stop Setting Interface

## Pump Head



EasyPump Series (Pressure Adjustable)



EasyPump Series (Fixed Pressure)



EasyPump-PPS Series (Pressure Adjustable)



EasyPump-PPS Series (Fixed Pressure)

## Pump Head & Flow Rate

Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump I	Single Channel	1.6	No
EasyPump II	Single Channel	2.4	No
EasyPump V	Dual Channel	1.6	No

Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump III	Single Channel	1.6	Adjustable
EasyPump IV	Single Channel	2.4	Adjustable
EasyPump VI	Dual Channel	1.6	Adjustable



Pump Head	Tubing	ID×Wall thickness(mm)	mL / r	Flow Rate(mL/min) (LabV1-III, 0.1-150rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.0053~8	0.27	0.17	0.6
	14#	1.6×1.6	0.27	0.027~41			
	19#	2.4×1.6	0.55	0.055~83			
	16#	3.1×1.6	0.933	0.093~140	0.24	0.14	
	25#	4.8×1.6	1.967	0.197~295			
	17#	6.4×1.6	3.333	0.333~500	0.14	0.10	
	18#	7.9×1.6	4.3	0.430~645	0.10	0.07	
Single Channel EasyPump II/IV	15#	4.8×2.4	1.8	0.180~270	0.27	0.17	
	24#	6.4×2.4	2.733	0.273~410	0.24	0.14	
	35#	7.9×2.4	3.833	0.383~575			
	36#	9.6×2.4	5.167	0.517~775			
Dual Channel EasyPump V/VI	13#	0.8×1.6	0.0053	0.0053~8	0.27	0.17	
	14#	1.6×1.6	0.27	0.027~41			
	19#	2.4×1.6	0.55	0.055~83			
	16#	3.1×1.6	0.933	0.093~140	0.24	0.14	
	25#	4.8×1.6	1.967	0.197~295			

## Technical Specifications

Speed range	0.1-150 rpm	Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Speed resolution	0.01 rpm		
Flow rate resolution	0.01 mL	Output interface	Output motor working status (Open-Collector output)
Flow rate accuracy	$<\pm 0.5\%$		
Back suction angle	0-360°	Power supply	AC 220V $\pm 10\%$ 50Hz/60Hz (standard)
Motor type	Closed-loop stepper motor		AC 110V $\pm 10\%$ 50Hz/60Hz (optional)
Display	Industrial grade 4.3" LCD color display	Drive dimension (L×W×H)	259×157×237 mm
Control method	Touch screen and Mechanical keypad		
Keypad lifetime	300,000 times	Drive weight	4.40 kg
External speed control signal	0-5V, 0-10V, 4-20mA for option	Power consumption	$<80\text{W}$
Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V-24V	Condition temperature	0-40°C
		Relative humidity	$<80\%$

## Dimension Drawing (Unit:mm)

