



# Flow Rates Peristaltic Pump

Model No. : LabV1

Flow Rate : 0.0002-570mL/min



## 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

Display area for running parameter

Function setting are changeable by touching

Fixed volume      Volume

OFF ON      0.00 L

Fixed volume measurement function turned on, flow rate is 10.00ml/min. Finish the volume need 0.00 minutes.

OK

Dispensing      Running time      Run time

OFF ON      1.00 mL      0000

Volume      Suspend time

10.00 mL      1.00 s      OK

Fixed time and volume function turned on, flow rate is 600.00ml/min, speed is 206.80rpm.

Start Time      Over Time

08:30:00 AM      05:30:00 PM

OFF ON      OFF ON

Once      Once

Custom      Custom

OK

Fixed Volume Measurement Setting Interface      Fixed Time and Volume Setting Interface      Time Start and Stop Setting Interface



## Pump Head



AMC Series



YZ Series

Drive&Speed	Pump Head	Tubing Size	Flow Rate(mL/min)
LabV1 0.1-150rpm	AMC1-AMC12(10)	Inner diameter:0.13~3mm Wall thickness: 0.8~1mm	0.0002-48(suggestion working speeds $\leq$ 150rpm)
	AMC1-AMC12(6)		0.0002-65(suggestion working speeds $\leq$ 150rpm)
	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007-570
	YZ2515x	15#, 24#	0.17-435



## 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	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)

