



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

The main screen displays the following information:

- Flow rate: 12.50 mL/min
- Volume: 59.80 rpm
- Time: 5.00 s
- Current vol: 0.00 mL
- Fixed volume: Off
- Dispensing: Off
- Pump Head: Y21515x
- Tubing Size: 16#
- Setting, Calibration, Date&Time, Volume, Dispensing, Timing icons

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≤150rpm)
	AMC1-AMC12(6)		0.0002-65(suggestion working speeds≤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	<80W
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)

