



# Flow Rates Peristaltic Pump

**Model No.:** V3

**Flow Rate:** 0.0002-1505mL/min



## Product Introduction

Intelligent flow rates industrial peristaltic pump, with 4.3" true color LCD display, touch screen control, speed range: 0.1-350rpm, flow range 0.0002-1505mL/min; dynamic display working status, flow data, parameters, system configuration display in the same screen, support RS232 and RS485, standard MODBUS communication interface, can realize external control in various industrial situation. Industry application: Laboratory, Industrial equipment supporting .

## Product Features

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

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.



**Pump Head**



EasyPump Pump Head

EasyPump-PPS Pump Head

AMC Pump Head

YZ Pump Head

Drive&Speed	Pump Head	Tubing Size	Flow Rate(mL/min)
V3 0.1-350rpm	EasyPumpI/III	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.0053-1505
	EasyPumpII/IV	15#, 24#, 35#	0.18-1342
	EasyPumpV/VI	13#, 14#, 19#, 16#, 25#	0.0053-688
	2*EasyPumpI/III	13#, 14#, 19#, 16#, 25#, 17#	0.0053-1167
	2*EasyPumpII/IV	15#	0.18-630
	2*EasyPumpV/VI	13#, 14#, 19#, 16#	0.0053-327
	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#	0.007-1330
	YZ2515x	15#, 24#	0.17-1015

**Screen Display**

The main screen displays the following information:

- Real-time flow rate changeable by touching:** 12.50 mL/min
- Display area for setting parameter:** Fixed volume: Off, Dispensing: Off, Pump Head: EasyPump, Tubing Size: 36#
- Display area for dynamic working:** 59.80 rpm
- Display area for running parameter:** Volume: 50.00 mL, Time: 5.00 s, Current vol: 0.00 mL
- Function setting are changeable by touching:** Setting, Calibration, Date&Time, Volume, Dispensing, Timing

Three inset interfaces are shown below:

- Fixed Volume Measurement Setting Interface:** Shows Fixed volume (OFF/ON) and Volume (2.00 L). A message states: "Fixed volume measurement function turned on, flow rate is 550.00ml/min. Finish the volume need 3.57 minutes."
- Fixed Time and Volume Setting Interface:** Shows Fixed time and volume (OFF/ON), Running time (1.00 s), Copy numbers (25), Setting volume (10.00), and Pause time (2.00). A message states: "Fixed time and volume function is turned on, flow rate is 600ml/min, speed is 352.94rpm."
- Time Start and Stop Setting Interface:** Shows Start Time (08:30:00 AM) and Over Time (05:30:00 PM). Options for Once and Custom are available.



## Technical Specifications

Flow rate	0.0002-1505mL/min
Speed range	0.1-350rpm
Speed resolution	0.01 rpm
Flow rate resolution	0.01 mL
Flow rate accuracy	<±0.5%
Back suction angle	0-360°
Motor type	Stepper motor
Display	Industrial grade 4.3" LCD color display
Control method	Touch screen and Mechanical keypad
Keypad lifetime	300,000 times
External speed control signal	0-5V, 0-10V, 4-20mA for option
Start/stop,direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5V-24V
Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Output interface	Output motor working status (Open-Collector output)
Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Drive dimension (L×W×H)	252×152×243(L×W×H)
Drive weight	4.20kg
Power consumption	< 80W
Condition temperature	0-40°C
Relative humidity	<80%

## Dimension Drawing(Unit: mm)

