



## Flow Rates Peristaltic Pump

LabV1, LabV3, LabV6



LabV1, LabV3, LabV6

Laboratory

Industrial equipment supporting



## Suitable Pump Head



Industrial grade 4.3" true color LCD screen, touch screen control, both Chinese and English interface available.

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.

## Flow Rates Peristaltic Pump

V1, V3, V6

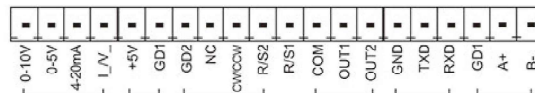


V1, V3, V6

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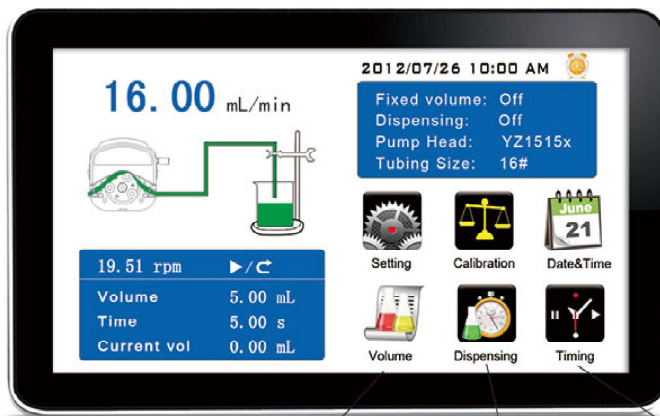
### External Control Schematic Diagram



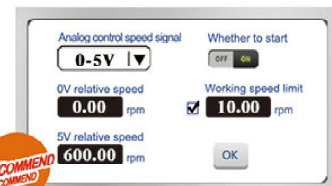


Technical Specifications			
Flow rate range	LabV1/ V1: 0.000166~570 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch Active switch signal: 5V, 12V and 24V for option
	LabV3/ V3: 0.000166~1330 mL/min		
	LabV6/ V6: 0.000166~2280 mL/min		
Speed range	0.1-600 rpm	Communication interface	Rs232, RS485 support MODBUS protocol (RTU mode)
Speed resolution	0.01 rpm	Output interface	Output motor working status (Open-Collector output)
Flow rate resolution	0.01 $\mu$ l	Power supply	AC 220V $\pm$ 10% 50Hz/60Hz (standard) AC 110V $\pm$ 10% 50Hz/60Hz (optional)
Flow rate accuracy	< $\pm$ 0.5%	Drive dimension	LabV Series: 261.4 $\times$ 157.3 $\times$ 236.9 mm V Series: 219.6 $\times$ 152 $\times$ 211.6 mm
Back suction angle	0-360 $^\circ$		
Outlet pressure	0.1Mpa (0.86-1.0mm wall thickness tubing)	Drive weight (L $\times$ W $\times$ H)	LabV Series: 4.40 kg V Series: 4.20 kg
	0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)		
Motor type	Stepper motor	Power consumption	< 50W
Display	Industrial grade 4.3" LCD color display	Condition temperature	0-40 $^\circ$ C
Control method	Touch screen and Mechanical keypad	Relative humidity	< 80%
Keypad lifetime	300,000 times	IP rate	IP31
External speed control signal	0-5V, 0-10V, 4-20mA		

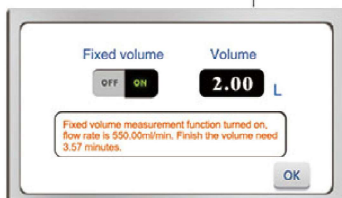
Product Composition and Flow Rate Range						
Flow Rates Peristaltic Pump		Pump Head & Flow Rate (mL/min)				
Tubing		YZ1515x	YZ2515x	MC1~MC12(10)	MC1~MC12(6)	
Drive & speed		13", 14", 19", 16" 25", 17", 18"	15", 24"	Inner diameter: 0.13-3.17mm Wall thickness: 0.86-1mm		
	LabV1/V1	0.1-150rpm	0.007~570	0.17~435	0.000166-49(suggest working rotating speed $\leq$ 150rpm)	0.000185-65(suggest working rotating speed $\leq$ 150rpm)
	LabV3/V3	0.1-350rpm	0.007~1330	0.17~1015		
	LabV6/V6	0.1-600rpm	0.007~2280	0.17~1740		



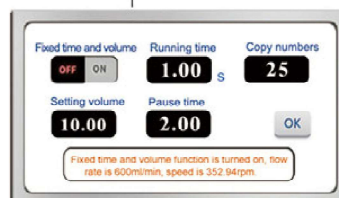
Flow Setting Interface



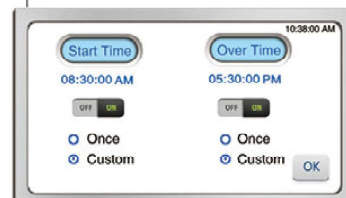
External Control Speed Setting Interface



Fixed Volume Measurement Setting Interface



Fixed Time and Volume Setting Interface



Timer Start and Stop Setting Interface

