

## Flow Rates Peristaltic Pump

LabV1, LabV3, LabV6

3 years warranty



LabV1, LabV3, LabV6

Laboratory

Industrial equipment supporting

## Suitable Pump Head



New Generation Easy Load Type Pump Head



YZ Series



New Generation Multichannel Type Pump Head



MC Series

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.

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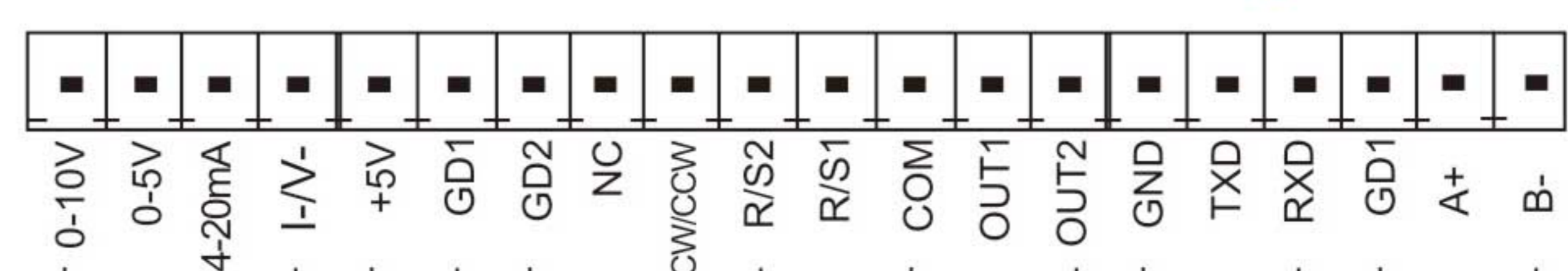


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### External Control Schematic Diagram



Technical Specifications			
Flow rate range	LabV1/ V1: 0.000166~775 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	LabV3/ V3: 0.000166~1808 mL/min		Active switch signal: 5V, 12V and 24V for option
	LabV6/ V6: 0.000166~3100 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)
Flow rate accuracy	< $\pm$ 0.5%		AC 110V $\pm$ 10% 50Hz/60Hz (optional)
Back suction angle	0-360°	Drive dimension (L×W×H)	LabV Series: 261.4×157.3×236.9 mm
Outlet pressure	0.1Mpa (0.8-1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)		V Series: 252×152×243 mm
Motor type	Stepper motor	Drive weight	LabV Series: 4.40 kg V Series: 4.20 kg
Display	Industrial grade 4.3" LCD color display	Power consumption	< 50W
Control method	Touch screen and Mechanical keypad	Condition temperature	0-40°C
<b>Keypad lifetime</b>	<b>300,000 times</b>	Relative humidity	< 80%
External speed control signal	0-5V, 0-10V, 4-20mA for option	IP rate	IP31

Product Composition and Flow Rate Range					
Flow Rates Peristaltic Pump		Pump Head & Flow Rate (mL/min)			
		YZ1515x	YZ2515x	MC1~MC12(10)	MC1~MC12(6)
Drive&speed	Tubing	13#, 14#, 19#, 16# 25#, 17#, 18#	15#, 24#	Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm	
	LabV1/V1	0.1-150 rpm	0.007~570	0.17~435	0.000166-49(working speed $\leq$ 150rpm)
	LabV3/V3	0.1-350 rpm	0.007~1330	0.17~1015	
	LabV6/V6	0.1-600 rpm	0.007~2280	0.17~1740	
Drive&speed	Tubing	New Generation Easy Load Type Pump Head		New Generation Multichannel Type Pump Head	
		EasyPump (1.60 mm wall thickness)	EasyPump (2.40 mm wall thickness)	8 rollers	
	LabV1/V1	0.1-150 rpm	0.0053~645	0.18~775	0.0002-52(working speed $\leq$ 150rpm)
	LabV3/V3	0.1-350 rpm	0.0053~1505	0.18~1808	
	LabV6/V6	0.1-600 rpm	0.0053~2580	0.18~3100	