

## Flow Rates Peristaltic Pump

LabV1, LabV3, LabV6

3 years warranty



LabV1, LabV3, LabV6

Laboratory

Industrial equipment supporting



## Suitable Pump Head



YZ1515x



YZ2515X



AMC Series



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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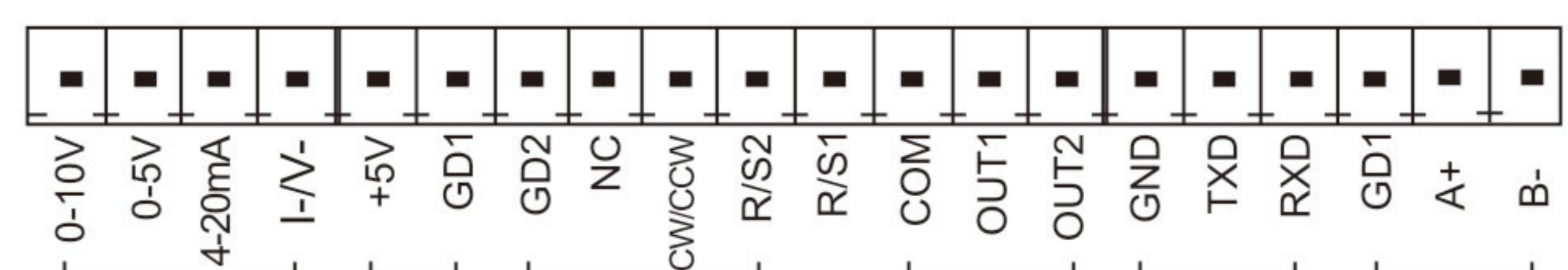


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### External Control Schematic Diagram





### Technical Specifications

Flow rate range	LabV1/ V1: 0.000166~570 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	LabV3/ V3: 0.000166~1330 mL/min		Active switch signal: 5-24V universal
	LabV6/ V6: 0.000166~2280 mL/min		RS232, RS485 support MODBUS protocol (RTU mode)
Speed range	0.1-600 rpm	Communication interface	
Speed resolution	0.01 rpm	Output interface	Output motor working status (Open-Collector output)
Flow rate resolution	0.01 µl	Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Flow rate accuracy	< ±0.5%	Drive dimension (L×W×H)	LabV Series: 261.4×157.3×236.9 mm V Series: 252×152×243 mm
Back suction angle	0-360°		Drive weight
Outlet pressure	0.1Mpa (0.8-1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)	Power consumption	< 50W
Motor type	Stepper motor	Condition temperature	0-40°C
Display	Industrial grade 4.3" LCD color display	Relative humidity	< 80%
Control method	Touch screen and Mechanical keypad	IP rate	IP31
<b>Keypad lifetime</b>	<b>300,000 times</b>		
External speed control signal	0-5V, 0-10V, 4-20mA for option		

### 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: 0.13-3mm Wall thickness: 0.8-1mm		
	LabV1/V1	0.1-150 rpm	0.007~570	0.17~435	0.000166-49(working speed ≤ 150rpm) 0.000185-65(working speed ≤ 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	AMC1-AMC12(6)		AMC1-AMC12(10)		
		Inner diameter: 0.13-3mm Wall thickness: 0.8-1mm				
	LabV1/V1	0.1-150 rpm	0.0002-48(working speed ≤ 150rpm)		0.0002-65(working speed ≤ 150rpm)	
	LabV3/V3	0.1-350 rpm				
LabV6/V6	0.1-600 rpm					

Flow rate Setting Interface

External Control Speed Setting Interface

Fixed Volume Measurement Setting Interface

Fixed Time and Volume Setting Interface

Timer Start and Stop Setting Interface

