

Baoding Shencheng Precision Pump Co., Ltd.

Add: No.103, Building 2, Pivot Industrial Park, FuXing East Road, Baoding, China.

Website: www.good-pump.com

Tel: 0086-312-6780681

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Basic Peristaltic Pump- Lab M Series

Model No.: Lab M1, Lab M3, Lab M6



Acceptable Pump Head: YZ1515x, YZ2515x, SN Series, MC Series



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Product Introduction:

The second generation basic type peristaltic pump, with ABS engineering plastic housing, streamlined body design, more fashion sense. Speed range: 0.5-600rpm/min, suitable for various pump heads. Flow rate range: 0.00034-2280ml/min. Membrane keypad control, multiple external control for selection. Support RS232/RS485 (standard Modbus protocol) communication, it is easy to connect with computer, PLC, HMI etc.

Function and Features:

1. 3 digital LED display the motor speed.
2. Membrane keypad control, not only adjust speed manually, but also control automatically through external interface.
3. Full speed button: with full filling and emptying function.
4. Timing test function, time range: 0.5-999s, setting test time freely, can be used for simple dispensing.
5. Internal isolate external control design. External control signal have active signal and passive signal, users can use it freely.
6. RS232 and RS485 communication for option. The pump can be controlled by PC through RS232 and serial debugging software, control the pump start/stop, direction and speed. To achieve dispensing and filling function. It also can feedback pump working status according with external control request.
7. Big torque, low consumption, strong adaptability.
8. Good performance drive circuit, good cooling condition, low noise, working stable, power down memory function.
9. Super strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
10. Circuit board spray with three anti-paint. Anti-dust, anti-moisture, anti-static, resist corrosion.

Technical Specification:

Flow rate range	LabM1: 0.00034~570ml/min LabM3:0.00034-1330ml/min LabM6:0.00034-2280ml/min
Speed range	0.1-600rpm
Speed resolution	0.1rpm
Back suction angle	0-360°
Testing time range	0.5s – 999s
Outlet pressure	0.1Mpa (0.86-1.0mm wall thickness tubing)

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	0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)
Motor type	Stepper motor
Circuit system	Shenchen-M-CIR
Control system	Shenchen-M-EMB
Display	3 Digital LED display
Control method	Membrane keypad
External control speed signal	0-5V, 0-10V, 4-20mA for option
Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	Default 24V
Communication interface	RS232/RS485 support MODBUS protocol (RTU mode)
Output interface	Output motor working status (Open-Collector output)
Power supply	220V±10%, 50Hz/60Hz (standard), 110V±10%, 50Hz/60Hz (optional)
Drive dimension	261.4 x 157.3 x 230.7mm (L x W x H)
Drive weight	4.40kg
Power consumption	<50W
Environment temperature	0-40℃
Relative humidity	<80%
IP rate	IP31

Product Composition and Flow Rate:

Drive	Speed Range	Pump Head	Tubing Size	Flow Rate (mL/min)
Lab M1	0.5-150rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~570
		YZ2515x	15#, 24#	0.85~435
		MC1-MC12	ID:0.13-3.17mm, Wall thickness: 0.8-1.0mm	0.00034-45
		SN25/15	14#, 16#, 25#	0.12-375
Lab M3	0.5-350rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~1330
		YZ2515x	15#, 24#	0.85~1015
		MC1-MC12	ID:0.13-3.17mm, Wall thickness: 0.8-1.0mm	0.00034-45
		SN25/15	14#, 16#, 25#	0.12-875
Lab M6	0.5-600rpm	YZ1515x	13#,14#,19#, 16#,25#,17#, 18#	0.035~2280
		YZ2515x	15#, 24#	0.85~1740
		MC1-MC12	ID:0.13-3.17mm, Wall thickness: 0.8-1.0mm	0.00034-45
		SN25/15	14#, 16#, 25#	0.12-1500

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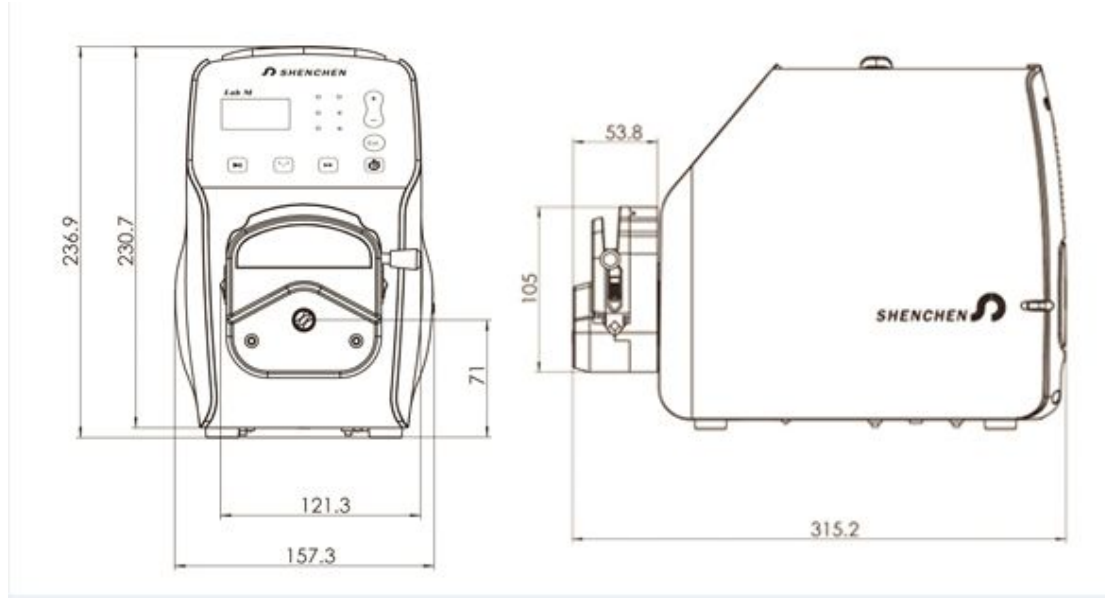
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Product Dimension



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