

Basic Peristaltic Pump

LabM1, LabM3, LabM6



Suitable Pump Head



New Generation Easy Load Type Pump Head



YZ Series



New Generation Multichannel Type Pump Head



MC Series

Model Number | LabM1, LabM3, LabM6

Typical Application

- University laboratory.
- Supporting ion chromatography and titrator.

Features

- 3 digital LED display motor speed, mechanical keypad control.
- Timing function, the time range of 0.5 seconds -999 seconds can be used as a simple dispensing
- Support RS232 and RS485 communication, Modbus protocol.

Technical Specifications

Flow rate range	LabM1: 0.000829~775 mL/min LabM3: 0.000829~1808 mL/min LabM6: 0.000829~3100 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 24V default
Speed resolution	0.1rpm when the speed is 0-100rpm, 1rpm when the speed is 100-600rpm.	Communication interface	RS485(optional),Modbus protocol(RTU mode) RS232(standard), Shenchen communication protocol;
Testing time range	0.5s-999s	Power supply	AC 220V±10%, 50Hz/60Hz (standard) AC 110V±10%, 50Hz/60Hz (optional)
Outlet pressure	0.1Mpa (0.8-1.0mm wall thickness tubing) 0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)	Drive dimension	261.4×157.3×236.9mm (L×W×H)
Display	3 digital LED	Drive weight	4.40 kg
Control method	Mechanical keypad	Power consumption	< 50W
Keypad lifetime	300,000 times	Condition temperature	0-40°C
External speed control signal	0-5V(standard), 4-20mA, 0-10V (optional)	Relative humidity	< 80%
		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		
	LabM1	0.5-150 rpm	0.035~570	0.85~435	0.000829-49(working speed≤150rpm) 0.000925-65(working speed≤150rpm)	
LabM3	0.5-350 rpm	0.035~1330	0.85~1015			
LabM6	0.5-600 rpm	0.035~2280	0.85~1740			
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		
	LabM1	0.5-150 rpm	13#, 14#, 19#, 16# 25#, 17#, 18#	15#, 24#, 35#, 36#	Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm	
			0.0267~645	0.90~775	0.001-52(working speed≤150rpm)	
LabM3	0.5-350 rpm	0.0267~1505	0.90~1808			
LabM6	0.5-600 rpm	0.0267~2580	0.90~3100			

