

Model No: LabM3-III

Category: Basic Peristaltic Pump

FlowRate: 0.0053-1808mL/min

Product features

Mechanical keypad control, multiple external control for selection.
Support RS232/RS485 (standard Modbus protocol) communication.
Easy to connect with computer, PLC, HMI etc.

Industry application

University laboratory
Ion chromatography and titrator
Industrial production



The second generation basic type peristaltic pump, with ABS engineering plastic housing, streamlined body design, more fashion sense. Speed range: 0.1-350rpm/min, suitable for various pump heads. Flow rate range: 0.0053-1330ml/min.

LabM series

Basic Peristaltic Pump

3 years warranty

Type : LabM3-III
Flow rate : 0.0053~1808mL/min



Single Channel Dual Channel

LED Display + Membrane keypad control

ABS Engineering Plastic Shell + UV Spray Coating

CE Certification
SGS Certification

01

INTRODUCTION

The second generation basic type peristaltic pump , with ABS Engineering Plastic Shell and add UV Spray Coating to have anti-corrosion and anti-static function.Streamlined body design.3 digital LED display motor speed, mechanical keypad control.Speed range: 0.1-350rpm/min , Flow rate range: 0.0053-1808ml/min.Main Application University laboratory Ion chromatography and titrator,Industrial production.

5 CHARACTERISTIC

- ▶ 3 digital LED display motor speed, Mechanical keypad control, multiple external control for selection.
- ▶ Timing function, the time range of 0.5 seconds -999 seconds can be used as a simple dispensing
- ▶ Timing function, can be used for simple dispense . Has both RS232 and RS485 communication mode.
- ▶ Streamlined body design,with ABS Engineering Plastic Shell and add UV Spray Coating.
- ▶ Full speed button: with full filling and emptying function.

02

OSD



03

DETAIL

Embedded Handle

Embedded handle, comfortable grip, convenient for users to take.

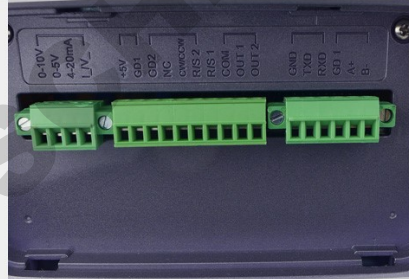


External control interface and pump head wrench

The rear end is equipped with removable external control interface protection cover, internal wrench, easy to remove the pump head.

External Input Port

The rich external control function, with the exception of routine start-stop, direction, speed control and RS485, RS232 interface, support Shencheng communication protocol or standard Modbus communication protocol (RTU mode).



04

PUMP HEAD



EasyPump Series (Pressure Adjustable)



EasyPump Series (Fixed Pressure)



EasyPump-PPS Series (Pressure Adjustable)



EasyPump-PPS Series (Fixed Pressure)

Pump Head & Flow Rate

Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump I	Single Channel	1.6	No
EasyPump II	Single Channel	2.4	No
EasyPump V	Dual Channel	1.6	No

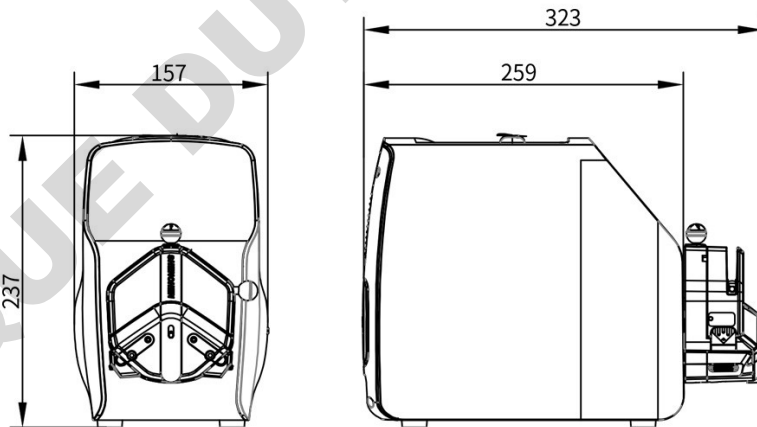
Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump III	Single Channel	1.6	Adjustable
EasyPump IV	Single Channel	2.4	Adjustable
EasyPump VI	Dual Channel	1.6	Adjustable

Pump Head	Tubing	ID×Wall thickness(mm)	mL / r	Flow Rate(mL/min) (0.1-350rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)		
					Intermittent	Continuous			
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.0053-19	0.27	0.17	0.6		
	14#	1.6×1.6	0.27	0.027-95					
	19#	2.4×1.6	0.55	0.055-193					
	16#	3.1×1.6	0.933	0.0933-327					
	25#	4.8×1.6	1.967	0.1967-688				0.24	0.14
	17#	6.4×1.6	3.333	0.3333-1167				0.14	0.10
Single Channel EasyPump II/IV	18#	7.9×1.6	4.3	0.43-1505	0.10	0.07			
	15#	4.8×2.4	1.8	0.18-630	0.27	0.17			
	24#	6.4×2.4	2.733	0.2733-957	0.24	0.14			
	35#	7.9×2.4	3.833	0.3833-1342					
Dual Channel EasyPump V/VI	36#	9.6×2.4	5.167	0.5167-1808	0.27	0.17			
	13#	0.8×1.6	0.053	0.0053-19					
	14#	1.6×1.6	0.27	0.027-95					
	19#	2.4×1.6	0.55	0.055-193					
	16#	3.1×1.6	0.933	0.0933-327					
25#	4.8×1.6	1.967	0.1967-688	0.24	0.14				

DOMINIQUE DUTSCHER SAS

Flow rate range	0.0053~1808ml/min
Speed range	0.1-350 rpm
Speed resolution	0.1 rpm when the speed is 0-100rpm, 1rpm when the speed is 100-600rpm
Testing time range	0.5s-999s
Motor type	Closed-loop stepper motor
Back suction angle	0-360°
Display	3 digital LED
Control method	Mechanical keypad
Keypad lifetime	300,000 times
External control speed signal	0-5V, 0-10V, 4-20mA
Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal,5V-24V
Communication interface	RS232/RS485 support MODBUS protocol (RTU mode)
Power supply	AC 220V±10%, 50Hz/60Hz (standard), AC 110V±10%, 50Hz/60Hz (optional)
Drive dimension	259×157×237 (L×W×H)
Drive weight	4.40kg
Power consumption	< 80W
Environment temperature	0-40°C
Relative humidity	< 80%

Dimension Drawing(Unit:mm)



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