

Dispensing Peristaltic Pump

3 years warranty LabF1-III, LabF3-III, LabF6-III



Suitable Pump Head



EasyPump Series
(Pressure Adjustable)



EasyPump Series
(Fixed Pressure)



EasyPump-PPS Series
(Pressure Adjustable)



EasyPump-PPS Series
(Fixed Pressure)

Features

- Imported 4.3" industrial grade color LCD screen display, with touch screen control.
- Can preset dispensing volume, dispensing time, pause time and copy numbers.
- With intelligent calibration function and online micro adjusting function.
- The pump can store 60 commonly used filling modes.
- Back suction angle setting, avoid liquid drop off when the pump stops working.
- Two working mode: Volume dispensing and speed dispensing (special for viscous liquid)**
- Can communicate with balance, closed-loop control.

Typical Application

- Medicine and chemical dispensing, such as oral liquid, diagnostic reagents.
- Cosmetic dispensing, such as perfume, essential oil.



Technical Specifications

Flow rate range	LabF1-III: 0.0053~775 mL/min	Start/stop, direction signal	Passive switch signal, such as foot pedal switch
	LabF3-III: 0.0053~1808 mL/min		Active switch signal: 5V, 12V and 24V for option
	LabF6-III: 0.0053~3100 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 μ l	Power supply	AC 220V \pm 10% 50Hz/60Hz (standard) AC 110V \pm 10% 50Hz/60Hz (optional)
Flow rate accuracy	< \pm 0.5%	Drive dimension	323 \times 157 \times 237 mm (L \times W \times H)
Back suction angle	0-360 $^{\circ}$	Drive weight	4.40 kg
Outlet pressure	0.1-0.27Mpa (1.6-2.4mm wall thickness tubing)	Power consumption	<50W
Motor type	Closed-loop stepper motor	Condition temperature	0-40 $^{\circ}$ C
Display	Industrial grade 4.3" LCD color display	Relative humidity	< 80%
Control method	Touch screen and Mechanical keypad	IP rate	IP31
Keypad lifetime	300,000 times		
External speed control signal	5-24V universal		



Product Composition and Flow Rate Range				
Flow Rates Peristaltic Pump		Pump Head & Flow Rate (mL/min)		
		New Generation Easy Load Type Pump Head		
Drive&speed	Tubing	EasyPumpI/III	EasyPumpII/IV	EasyPumpV/VI
		13#, 14#, 19#, 16#, 25#, 17#, 18#	15#, 24#, 35#, 36#	13#, 14#, 19#, 16#, 25#
LabF1-III	0.1-150 rpm	0.0053~645	0.18~775	0.0053~295
LabF3-III	0.1-350 rpm	0.0053~1505	0.18~1808	0.0053~688
LabF6-III	0.1-600 rpm	0.0053~2580	0.18~3100	0.0053~1180

Experimental conditions: standard atmospheric pressure, room temperature at 20°C, the liquid is pure water, no pressure, no suction and lift.

Note: Actually, it is affected by many factors such as transmission medium, inlet and outlet pressure, hose material and error, working environment, etc. This data is for reference only.

LabF6-III Filling Volume Reference Parameter(Media is water)							
Drive	Pump Head	Tubing	Filling Volume (mL)	Filling Time(s)	Filling Accuracy (±%)	Output(pcs/min)	Motor Speed(rpm)
LabF6-III	EasyPump	13#	0.1	0.5	3	40	249.86
		13#	0.5	1.2	0.8	27	540.90
		13#	1	2.5	0.5	17	514.27
		14#	2	1	0.5	30	495.67
		19#	5	1.2	0.5	27	436.13
		16#	7	1	0.5	30	448.90
		25#	10	1	0.8	30	300.30
		25#	20	1	0.8	30	514.95
		17#	30	1.2	0.8	27	490.74
		17#	50	2	0.6	20	490.29
		18#	80	2.5	0.6	17	446.64
		18#	100	3	0.5	15	460.61
		15#	16	1	1	30	488.24
		15#	20	1.2	0.5	27	523.83
		24#	30	1.2	0.5	27	548.84
		24#	50	2	0.5	20	549.39
		35#	150	4	0.5	12	549.19
		36#	200	4	0.3	12	588.73

