



# Dispensing Peristaltic Pump

Model No. : LabF1-III

Flow Rate : 0.0053-775mL/min



Single Channel



Dual Channel

## Product 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 dispensir(special for viscous liquid)
- Can communicate with balance, closed-loop control.

## Screen Display

Display area for dispensing volume

Display area for dynamic working

Display area for running parameter

Display area for setting parameter

Function setting are changeable by touching

Volume dispensing interface

Speed dispensing interface

Repeat numbers interface

The main screen displays: 10.56 ml, 2014/07/26 10:00 AM, Work Status: II/C, Pump Head: Easy Pump, Tube Size: 16#, Suck-Back: 0°. It includes icons for SET, CAL, MON, SPEED, and 20 CNT. A table of running parameters is shown below:

Disp.Vol.	12.00 ml
Disp.Time	22.00 s
Pause Time	5.00 s
Copy CNT	1/2

The zoomed-in views show: 1. Volume dispensing interface with 'Vol.Dis' ON, Volume 0.00 mL, Run time 0.00 s, and Pause time 0.00 s. 2. Speed dispensing interface with 'Speed Mode' OFF, Speed 0.00 rpm, Run Time 0.00 s, and Pause Time 0.00 s. 3. Repeat numbers interface with 'Copy CNT' 100 and a numeric keypad.

## 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) (LabF1-III, 0.1-150rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.0053~8	0.27	0.17	0.6
	14#	1.6×1.6	0.27	0.027~41			
	19#	2.4×1.6	0.55	0.055~83			
	16#	3.1×1.6	0.933	0.093~140	0.24	0.14	
	25#	4.8×1.6	1.967	0.197~295			
	17#	6.4×1.6	3.333	0.333~500	0.14	0.10	
	18#	7.9×1.6	4.3	0.430~645	0.10	0.07	
Single Channel EasyPump II/IV	15#	4.8×2.4	1.8	0.180~270	0.27	0.17	
	24#	6.4×2.4	2.733	0.273~410			
	35#	7.9×2.4	3.833	0.383~575	0.24	0.14	
	36#	9.6×2.4	5.167	0.517~775			
Dual Channel EasyPump V/VI	13#	0.8×1.6	0.0053	0.0053~8	0.27	0.17	
	14#	1.6×1.6	0.27	0.027~41			
	19#	2.4×1.6	0.55	0.055~83			
	16#	3.1×1.6	0.933	0.093~140			
	25#	4.8×1.6	1.967	0.197~295	0.24	0.14	



## Technical Specifications

Flow rate range	0.0053-775mL/min	Keypad lifetime	300,000 times
Speed range	0.1-150rpm	Start/stop, direction signal	Passive switch signal, such as foot pedal switch; Active switch signal: 5-24V universal
Speed resolution	0.01rpm		
Dispensing volume range	0.1-9999.99mL	Output interface	Output motor working status (Open-Collector output)
Dispensing volume resolution	0.01mL		
Dispensing time	0.1-9999.99S	Communication interface	RS232, RS485 Modbus protocol (RTU mode)
Pause time	0.1-9999.99S		
Time resolution	0.01s	Power supply	AC 220V±10% 50Hz/60Hz (standard) AC 110V±10% 50Hz/60Hz (optional)
Copy numbers	1-9999 times, setting'0'means unlimited		
Back suction angle	0-360°	Drive dimension (L×W×H)	259×157×237 mm
Dispensing accuracy	< +0.5%	Drive weight	4.40 kg
Motor type	Closed-loop stepper motor	Power consumption	<80W
Display	Industrial grade 4.3" color LCD display	Condition temperature	0-40°C
Control method	Touch screen and Mechanical keypad	Relative humidity	<80%

## Dimension Drawing (Unit:mm)

