



# 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

2014/07/26 10:00 AM  
Work Status: II/C  
Pump Head: EasyPump  
Tube Size: 16#  
Suck-Back: 0°

10.56 ml

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

Vol.Dis ON  
Volume 0.00 mL Run time 0.00 s Pause time 0.00 s OK

Speed Mode OFF  
Speed 0.00 rpm Run Time 0.00 s Pause Time 0.00 s Test OK

Copy CNT 100  
7 8 9 CLR ←  
4 5 6 - ESC  
1 2 3 0 ENT

Volume dispensing interface    Speed dispensing interface    Repeat numbers interface



## 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	0.24	0.14	
	25#	4.8×1.6	1.967	0.197~295			



## 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)

