Dispensing Peristaltic Pump



Model No. : LabF1-III, LabF3-III, LabF6-III

Flow Rate : 0.053-3100mL/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.

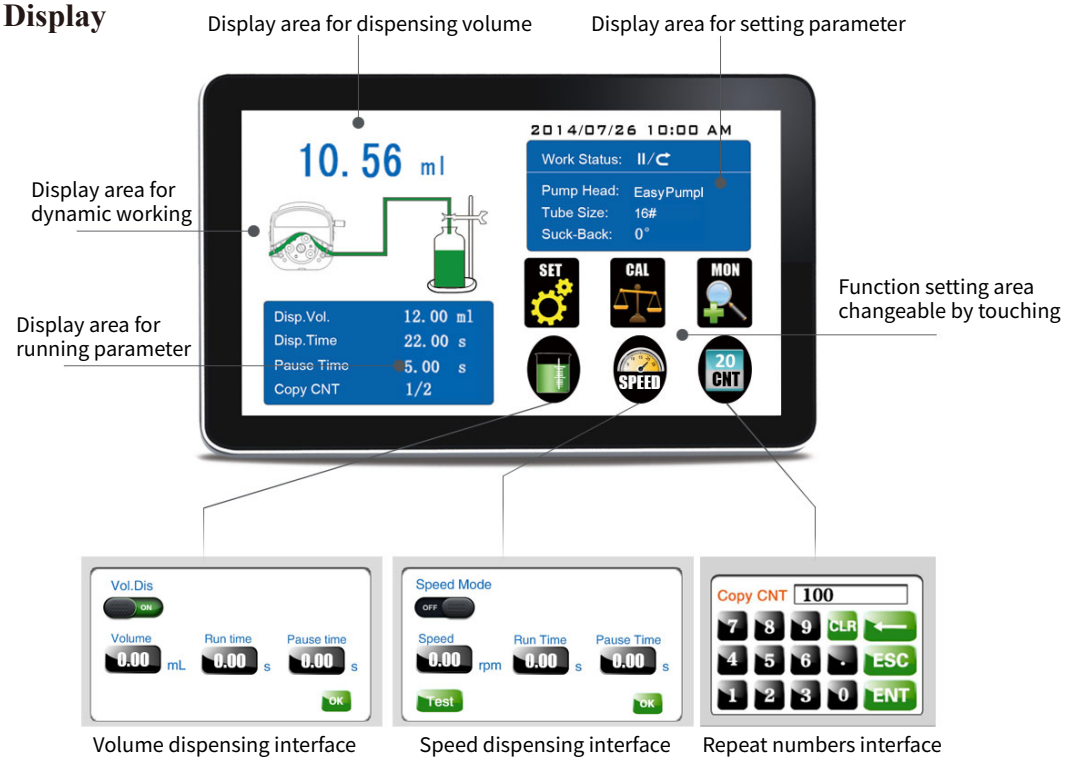
The pump can store 60 commonly used filling modes.

Back suction angle setting, avoid liquid drop off when the pump stops working.

New flow rate mode, can be used for continuous transferring.

Can communicate with balance, closed-loop control.

Screen Display



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, 1-150rpm)	Flow Rate(mL/min) (LabF3-III, 1-350rpm)	Flow Rate(mL/min) (LabF6-III, 1-600rpm)
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.053~8	0.053~19	0.053~32
	14#	1.6×1.6	0.27	0.27~41	0.27~95	0.27~162
	19#	2.4×1.6	0.55	0.55~83	0.55~193	0.55~330
	16#	3.1×1.6	0.933	0.93~140	0.93~327	0.93~560
	25#	4.8×1.6	1.967	1.97~295	1.97~688	1.97~1180
	17#	6.4×1.6	3.333	3.33~500	3.33~1167	3.33~2000
	18#	7.9×1.6	4.3	4.30~645	4.30~1505	4.30~2580
Single Channel EasyPump II/IV	15#	4.8×2.4	1.8	1.80~270	1.80~630	1.80~1080
	24#	6.4×2.4	2.733	2.73~410	2.73~957	2.73~1640
	35#	7.9×2.4	3.833	3.83~575	3.83~1342	3.83~2300
	36#	9.6×2.4	5.167	5.17~775	5.17~1808	5.17~3100
Dual Channel EasyPump V/VI	13#	0.8×1.6	0.0053	0.053~8	0.053~19	0.053~32
	14#	1.6×1.6	0.27	0.27~41	0.27~95	0.27~162
	19#	2.4×1.6	0.55	0.55~83	0.55~193	0.55~330
	16#	3.1×1.6	0.933	0.93~140	0.93~327	0.93~560
	25#	4.8×1.6	1.967	1.97~295	1.97~688	1.97~1180

Filling Volume Reference(Media is water)

Drive	Pump Head	Tubing	Filling Volume (ml)	Filling Tim (s)	Accuracy (±%)	Output (pcs/min)	Moter Speed (rpm)
LabF6-III	EasyPump	13#	0.1	0.5	3	40	249.86
		13#	0.5	1.2	0.8	27	540.9
		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	448.9
		25#	10	1	0.8	30	300.3
		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

Technical Specifications

Speed range	1-600rpm	Start/stop, direction signal	Passive switch signal, such as foot pedal; Active switch signal: 5V,12V, 24V for option
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 support Modbus protocol (RTU mode)
Pause time	0.1-9999.99s		
Time resolution	0.01s	Power supply	0.1~0.27Mpa(1.6~2.4mm wall thickness tubing)
Copy numbers	1-9999 times,setting '0' means unlimited		
Back suction angle	0-360°	Drive dimension (L×W×H)	259×157×237mm
Dispensing accuracy	<±0.5%	Drive weight	4.40 kg
Motor type	Servo motor	Condition temperature	0-40°C
Display	Industrial grade 4.3" color LCD display	Power consumption	＜50W
Control method	Touch screen and Mechanical keypad	Relative humidity	＜80%
Keypad lifetime	300,000 times	IP rate	IP 31

Dimension Drawing (Unit:mm)

