

Intelligent Type Peristaltic Pump

Model No: LabV6

Flow Rate: 0.0053-2580mL/min



Product Features

Industrial grade 4.3" true color LCD screen, touch screen control.

Mechanical keypad control pump start, stop, full speed and direction.

Dynamic display transferring status. Flow rate data, setting parameters and system configuration display in the same screen.

3 Kinds of working mode: fixed volume metering, fixed time and volume, timer start and stop, meet different transferring and dispensing request.

Intelligent calibration function and online micro adjusting function.

Screen Display

Real-time flow rate changeable by touching

Display area for setting parameter

Display area for dynamic working

Display area for running parameter

Function setting are changeable by touching

Setting

Dispensing

Timing Start/stop

Fixed Volume Measurement Setting Interface

Dispensing Setting Interface

Time Start and Stop Setting Interface

2024/10/14 10:00 AM

Mode: Transfer

Pump Head: EasyPump I/III

Tubing Size: 25#

Suck-back: 360°

Setting Calibration Date&Time

Volume Dispensing Timing

188.86 mL/min

188.86 rpm

Total vol: 19.46 mL

Total time: 12.00 s

Fixed volume Volume 6.00 L

Fixed volume measurement function turned on, flow rate is 10.00ml/min. Finish the volume need 0.00 minutes

Volume disp. Speed disp. Dispensing ON

Disp.Vol 5.00 mL Disp.Time 1.00 s

Pause Time 1.00 s Repeat 0002

Start Time 10:08:39 PM Over Time 10:08:39 PM

ON OFF

Once Custom Once Custom

Pump Head



EasyPump



YZ1515x



YZ2515x

Drive	Pump head	Tubing Size	Speed	Flow rate (mL/min)
LabV6	EasyPumpI/III	13#,14#,19#,16#,25#,17#,18#	0.1-600rpm	0.0053-2580
	EasyPumpII/IV	—		—
	EasyPumpV/VI	13#,14#,19#,16#		0.0053-560
	2*EasyPumpI/III	13#,14#,19#,16#,25#		0.0053-1180
	2*EasyPumpII/IV	—		—
	2*EasyPumpV/VI	13#,14#,19#,16#		0.0053-560
	YZ1515x	13#,14#,19#,16#,25#,17#,18#		0.007-2280
	YZ2515x	15#,24#		0.17-1740

Pump Head & Flow Rate

Pump Head	Tubing	ID×Wall thickness(mm)	mL / r	Flow Rate(mL/min) (0.1-600rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.0053-32	0.27	0.17	0.6
	14#	1.6×1.6	0.27	0.027-162			
	19#	2.4×1.6	0.55	0.055-330			
	16#	3.1×1.6	0.933	0.0933-560			
	25#	4.8×1.6	1.967	0.1967-1180			
	17#	6.4×1.6	3.333	0.3333-2000			
	18#	7.9×1.6	4.3	0.43-2580			
Dual Channel EasyPump V/VI	13#	0.8×1.6	0.053	0.0053-32	0.27	0.17	0.6
	14#	1.6×1.6	0.27	0.027-162			
	19#	2.4×1.6	0.55	0.055-330			
	16#	3.1×1.6	0.933	0.0933-560			
	25#	4.8×1.6	1.967	0.1967-1180			

Pump Head	Tubing	Filling Volume(mL)	Filling Time(s)	Accuracy(±%)	Output(pcs/min)	Motor Speed(rpm)
EasyPump	13 [#]	0.4	1.2	0.8	27	377.36
	13 [#]	1	2.5	0.5	17	452.83
	14 [#]	2	1	0.5	30	444.44
	19 [#]	5	1.2	0.5	27	454.55
	16 [#]	7	1	0.5	30	450.16
	25 [#]	10	0.8	0.8	33	381.29
	25 [#]	15	1	0.5	30	457.55
	25 [#]	20	1.5	0.5	24	406.71
	17 [#]	30	1.2	0.5	27	450.05
	18 [#]	50	1.5	0.5	24	465.12
	15 [#]	15	1.2	0.5	27	416.67
	24 [#]	20	1.2	0.5	27	365.90
	35 [#]	30	1.2	0.5	27	391.34
	36 [#]	50	1.5	0.5	24	387.07
2*EasyPump	13 [#]	0.5	0.8	0.8	33	353.77
	13 [#]	1	1.2	0.5	27	471.70
	14 [#]	2	0.6	1	38	370.37
	14 [#]	5	1.5	0.5	24	370.37
	19 [#]	10	1.2	0.5	27	454.55
	16 [#]	15	1.2	0.5	27	401.93
	16 [#]	20	1.5	0.5	24	428.72
	25 [#]	30	1	0.5	30	457.55
	17 [#]	50	1	0.5	30	450.05
	18 [#]	70	1	0.5	30	488.37
	15 [#]	30	1.2	0.5	27	416.67
	24 [#]	50	1.2	0.5	27	457.37
	35 [#]	70	1.2	0.5	27	456.56
36 [#]	100	1.5	0.5	24	387.07	

Technical Specifications

Flow rate range	0.0053-2580mL/min
Flow rate resolution	0.01mL/min
Speed range	0.1~600rpm
Speed resolution	0.01rpm
Dispensing volume	0.01~9999mL
Volume resolution	0.01mL
Dispensing time	0.1~9999s
Pause time	0.1~9999s
Time resolution	0.01s
Repeat number	1-9999 times, setting "0" as infinite / continuous dispensing
Flow rate accuracy	<±0.5%
Back suction angle	0-360°
Motor type	Stepper motor
Display	4.3 inch-industrial grade-True color LCD screen
Control method	Touch screen and Mechanical keypad
Keypad lifetime	300,000 times
External control signal	0-5V,0-10V,4-20mA for option
Start/stop,change direction signa	Passive switch signal,such as:foot pedal switch,Active switch signal:5V-24V
Communication interface	RS232,RS485 support MODBUS protocol(RTU mode)
Output interface	Output motor working status(Open-Collector output)
Power supply	220V +10%50Hz/60Hz (standard),110V +10%50Hz/60Hz (optional)
Drive dimension (LxWxH)	259×157×237(L×W×H)
Drive Weight	4.40kg
Power consumption	<80W
condition temperature	0-40°C
Relative humidity	<80%

 Dimension Drawing (Unit:mm)

