

Flow Rate Peristaltic Pump

Model NO. : V6-12L

Flow Rate : 0.69-12000mL/min



Product Introduction

Intelligent flow rate type industrial peristaltic pump with serve motor drive, use 4.3 inch true color LCD display, touch screen control. Speed range: 0.1~600rpm/min, Flow rate: 0.69~12000mL/min; Dynamic display transferring state, flow rate data, setting parameters and system configuration in the same screen. Intelligent calibration and online micro adjusting function. Industry application: Transmission of industrial production, Pharmaceuticals, Industry of fine chemicals.

Product Features

1. Dynamic display transferring status. Flow rate data, setting parameters and system configuration display in the same screen.
2. Four-working modes: Fixed volume, volume dispensing, speed dispensing, and timing start/stop functions meet complex transmission and dispensing requirements.
3. Intelligent calibration function and online micro adjusting function, can be in the case of not stop, adjust the flow, eliminate the error.
4. 304 stainless steel housing.
5. Circuit board three layers of paint spraying process, dust proof, moisture proof, anti-static, corrosion resistance.

Pump Head

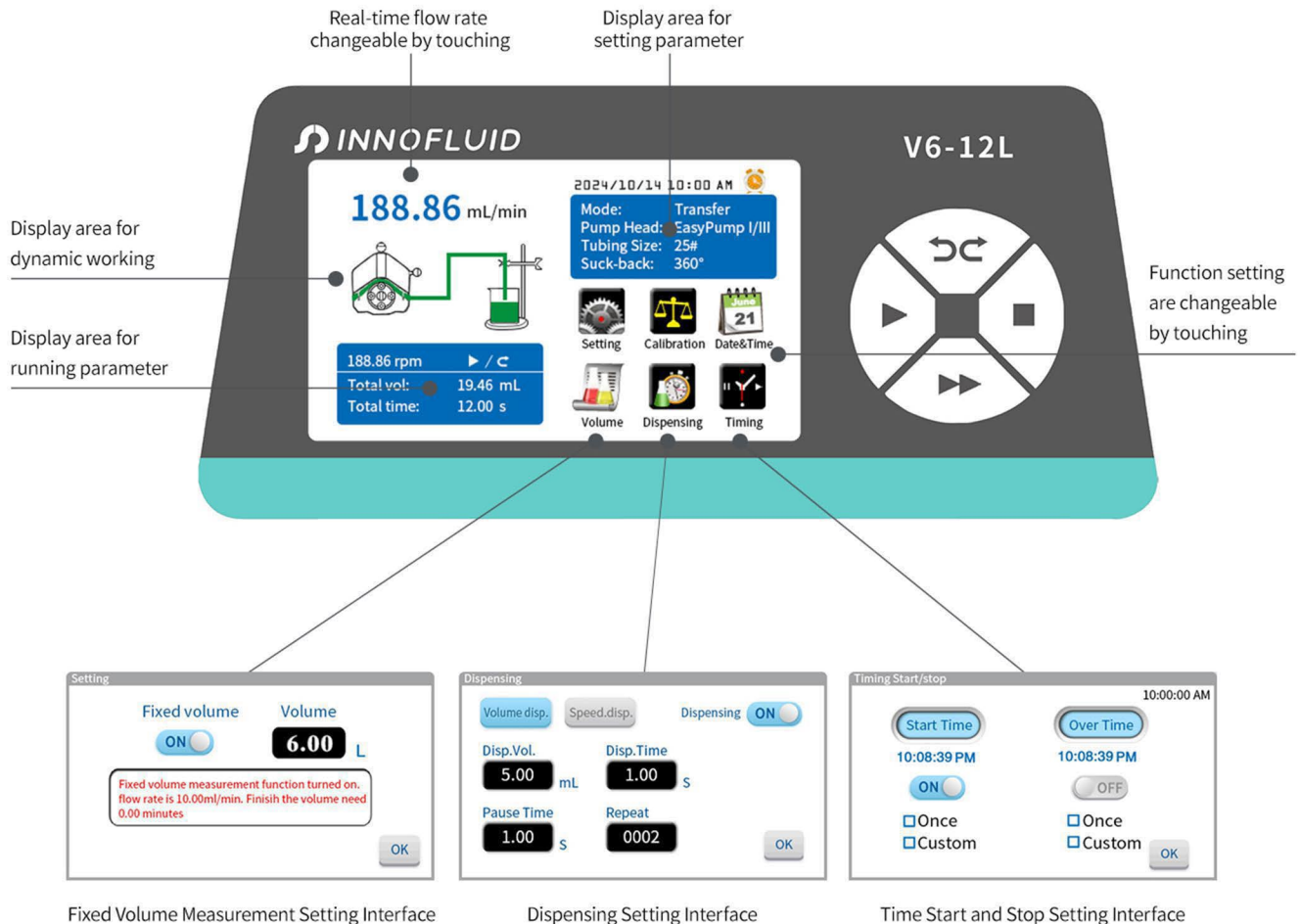


YZ35-II

Pump Head	Tubing	ID×Wall thickness (mm)	mL/r	Flow rate(mL/min) (0.1-600rpm)	Tubing pressure resistance(Mpa)		Material	Weight(kg)
					Continuous	Intermittent		
YZ35-II	26#	6.4×3.3	6.9	0.69-4200	0.27	0.2	Cast aluminum alloy	2.8
	73#	9.6×3.3	12.3	1.23-7400	0.27	0.2		
	82#	12.7×3.3	20	2-12000	0.14	0.1		

Pump Head	Tubing	Filling Volume(mL)	Filling Time(s)	Accuracy(±%)	Output(pcs/min)	Motor Speed(rpm)
YZ35-II	26	50	1	0.5	30	434.78
	26	100	2	0.5	20	434.78
	73	100	1.2	0.5	27	406.50
	73	150	2	0.5	20	365.85
	82	200	1.5	0.5	24	400.00
2*YZ35-II	73	100	1.2	0.5	27	203.25
	73	200	1.5	0.5	24	235.20
	82	500	2	0.5	20	375.00

Screen Display



Technical Specifications

Flow rate range	0.69~12000 mL/min
Speed range	0.1-600 rpm
Speed resolution	0.01 rpm
Flow rate resolution	0.01 mL
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	$< \pm 0.5\%$
Back suction angle	0-360°
Motor type	Closed-loop stepper motor
Display	Industrial grade 4.3" LCD color display
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 signal	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	AC 220V $\pm 10\%$ 50Hz/60Hz (standard), AC 110V $\pm 10\%$ 50Hz/60Hz (optional)
Drive dimension (L×W×H)	302*222*275 mm
Drive weight	13.14kg
Power consumption	<300W
Condition temperature	0-40°C
Relative humidity	< 80%

 Dimension Drawing(Unit: mm)

