

Flow Rates Peristaltic Pump

Model No.: V1

Flow Rate: 0.0002-645mL/min



Product Introduction

Intelligent flow rates industrial peristaltic pump, with 4.3" true color LCD display, touch screen control, speed range: 0.1-150rpm, flow range 0.0002-645mL/min; dynamic display working status, flow data, parameters, system configuration display in the same screen, support RS232 and RS485, standard MODBUS communication interface, can realize external control in various industrial situation. Industry application: Laboratory, Industrial equipment supporting .

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. Streamlined body design, with ABS Engineering Plastic Shell and add UV Spray Coating.
5. Circuit board three layers of paint spraying process, dust proof, moisture proof, anti-static, corrosion resistance.

Pump Head



EasyPump Pump Head



EasyPump-PPS Pump Head



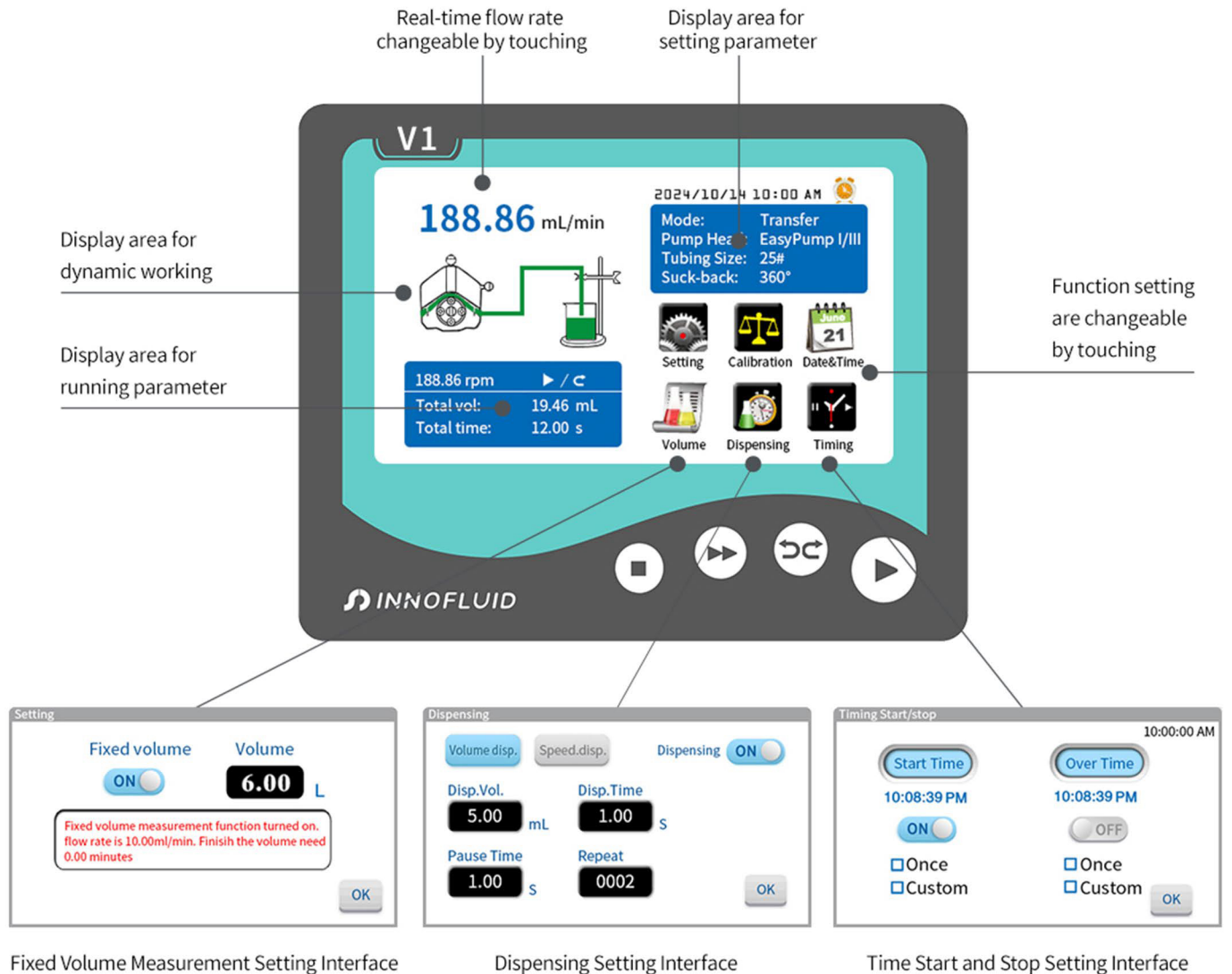
AMC Pump Head



YZ Pump Head

Drive&Speed	Pump Head	Tubing Size	Flow Rate(mL/min)
V1 0.1-150rpm	EasyPumpI/III	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.0053-645
	EasyPumpII/IV	15#, 24#	0.18-410
	EasyPumpV/VI	13#, 14#, 19#, 16#, 25#	0.0053-295
	2*EasyPumpI/III	13#, 14#, 19#, 16#, 25#	0.0053-295
	2*EasyPumpII/IV	15#	0.18-270
	2*EasyPumpV/VI	13#, 14#, 19#, 16#	0.0053-140
	AMC1-AMC12(10)	Inner diameter:0.13~3mm Wall thickness: 0.8~1mm	0.0002-48(suggestion working speeds≤150rpm)
	AMC1-AMC12(6)		0.0002-65(suggestion working speeds≤150rpm)
	YZ1515x	13#, 14#, 19#, 16#, 25#, 17#, 18#	0.007-570
	YZ2515x	15#, 24#	0.17-435

Screen Display



Technical Specifications

Flow rate range	0.0002-645 mL/min
Speed range	0.1-150 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	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)	219.6×152×211.6 mm
Drive weight	4.20 kg
Power consumption	$< 80W$
Condition temperature	0-40°C
Relative humidity	$< 80\%$

Dimension Drawing(Unit: mm)

