

ODM System Solution

Model No: V6-6L/AMC24

Flow Rate: According to customers request



■ Product Introduction

The flow measurement type intelligent peristaltic pump adopts 4.3 inch color touch screen control, and shows working state by animation. Flow data, setting parameters and system settings are displayed in the same screen. With intelligent calibration and on-line micro adjusting function, three kinds of measurement modes: Fixed volume measurement; fixed time and volume, timer start/stop. It can load different pump heads, multiple external methods are optional. It is ideal choice for laboratory, equipment supporting and industrial production.

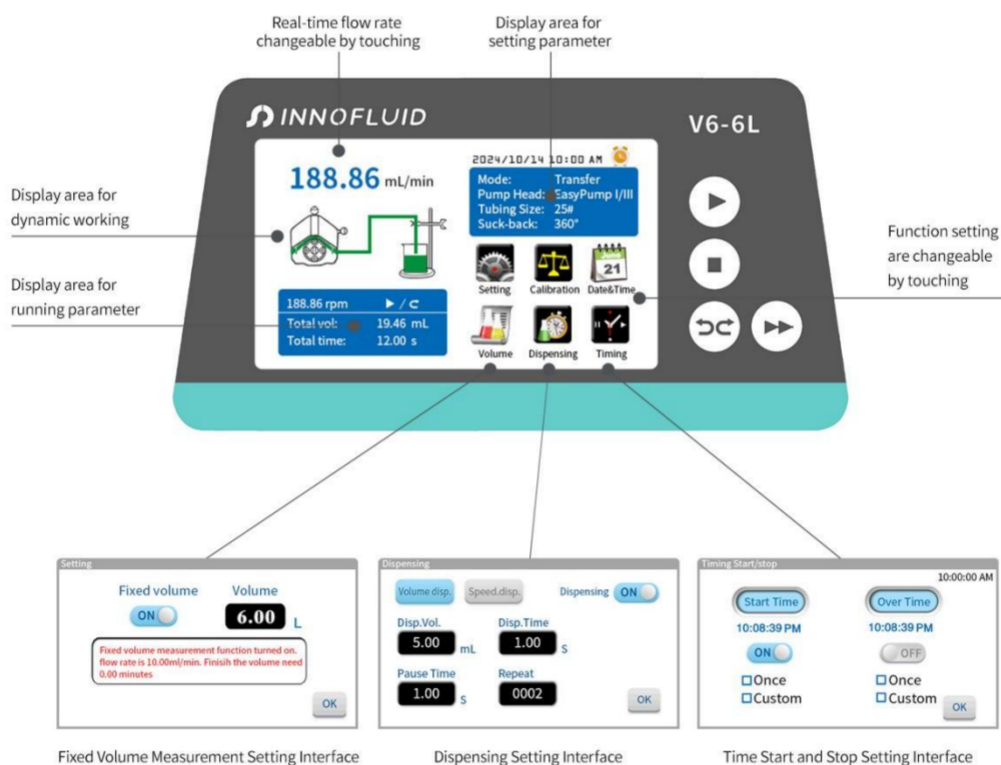
■ Product Features

- 4.3 inch color touch screen control, animation shows working state, the flow volume and motor speed are displayed in the same screen.
- Intelligent calibration function, it can calibrate the flow rate and dispensing volume, ensure the flow accuracy, suitable for high accuracy transferring liquid.
- On-line micro adjusting function, it can adjust the flow rate during production progress, to avoid the filling errors because of tubing fatigue and elasticity decreased.
- Accurate angle control technology, reach high precision dispensing and measurement.
- Fixed volume measurement function: After turning on this function, the peristaltic pump will measure the liquid volume automatically, it will stop automatically after the volume reaches the set value. During this process, the flow rate can be changed. It is suitable for liquid metering in the laboratory or quantitative

feeding in the chemical reaction process, etc.

- Fixed time and volume function: After turning on this function, the peristaltic pump will transfer fixed volume within set time. It is suitable for liquid dispensing in laboratory and industrial production.
- Timer start and stop function: Can set the pump start and stop time freely, reach automation control.
- Power down memory function, store the running parameters in time, safe and reliable.
- Fast fluid-filled function, can wash the tubing and also fill liquid into tubing.
- High torque and low power loss, it can load several pump heads or multichannel pump head, meet different application requests.
- External control start and stop, convenient for equipment supporting.
- 304 stainless steel shell, anti-corrosion, in line with industrial requirements. Anti-interference, can shield the interference signal.

■ Control Panel



■ Pump Head



AMC

Channel number	1	2	3	4	5	6	8	10	12
Rollers material	304 stainless steel material								
Rollers number	6 rollers, 10 rollers								

Tubing	Speed	Flow rate of pump head with 10 rollers (mL/min)	Flow rate of pump head with 6 rollers (mL/min)	Tubing maximum pressure (Mpa)	
				Continuous	Intermittent
1x1	0.1-150rpm	0.0050-7.55	0.0062-9.36	0.1	0.1
2x1		0.0183-27.52	0.0220-33.06		
2.4x0.8		0.0254-38.13	0.0319-47.81		
3x1		0.0323-48.38	0.0434-65.17		
0.13x0.86		0.0002-0.29	0.0002-0.31		
0.19x0.86		0.0003-0.44	0.0003-0.46		
0.25x0.86		0.0005-0.76	0.0005-0.80		
0.51x0.86		0.0013-2.00	0.0014-2.05		
0.89x0.86		0.0030-4.47	0.0031-4.65		
1.14x0.86		0.0061-9.16	0.0065-9.74		
1.42x0.86		0.0125-18.75	0.0142-21.28		
2.06x0.86		0.0197-29.60	0.0234-35.17		

■ Technical Specifications

Flow rate resolution	0.01mL/min
Speed range	0.1-600rpm
Operation mode	Touch screen and mechanical keypad
Temperature	0-40°C
Communication	interface RS232/RS485
Back suction angle	0-360°
Power consumption	<180W
Motor type	Closed-loop stepper motor
Power supply	AC220V±10% 50Hz/60Hz (standard) AC110V±10% 50Hz/60Hz(optional)
External control	Switch signal
Relative humidity	<80%
Output Interface	Output motor working status (open-collector-output)
Protection rating	IP31

■ Dimension Drawing (Unit:mm)

