

Low Pulsation Dispensing Peristaltic Pump

Model No: IF3II

Flow Rate: 2.25-12740mL/min



■ Product Introduction

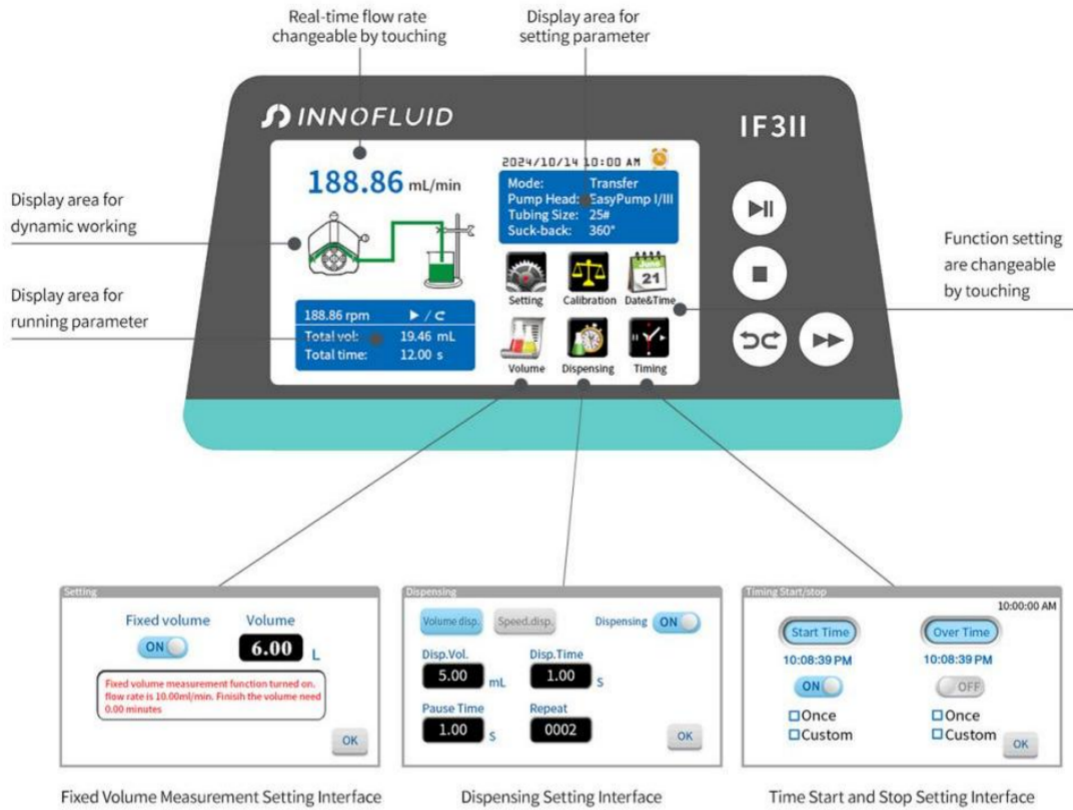
Servo motor-driven, intelligent, high-precision, low-pulse dispensing peristaltic pump. Features an imported 4.3-inch industrial-grade true color LCD screen with touch-screen control. Speed range: 0.1-350 rpm, flow rate range: 2.25-12740mL/min. The low-pulsation pump head is specially designed for high-precision filling. Through the phase difference between the two sets of rollers, the fluid peaks and valleys complement each other.

Industry application: Dispensing small-volume diagnostic reagent.

■ Product Features

- Closed-loop stepper motor drive, high precision, low pulsation dispensing peristaltic pump. The low pulsation pump head is special for high precision filling.
- Through the phase difference between the two sets of rollers, make the fluid peaks and valleys complementary, then reduce the pulsation of the fluid.
- Adaptive pressure tubing space, extend the tubing lifetime effectively.
- Achieving high precision dispensing of micro flow rate.
- New flow rate mode, can be used for continuous transferring.
- Can communicate with balance, closed-loop control.

Control Panel



Pump Head



DY35

Drive	Motor Type	Pump Head	Tubing Size	Speed Range(rpm)	Flow Rate(mL/min)
IF3II	Closed loop stepper motor	DY35	73#	0.1-350	2.25-7875
			82#		3.64-12740

■ Technical Specifications

Flow rate	2.25-12740mL/min
Speed range	0.1-350rpm
Speed resolution	0.01rpm
Dispensing volume range	0.01-9999.99mL
Dispensing volume resolution	0.01mL
Dispensing time	0.1-9999.99s
Pause time	0.1-9999.99s
Time resolution	0.01s
Copy numbers	1-9999 times, setting "0" means unlimited
Back suction angle	0-360°
Dispensing accuracy	<±0.5%
Motor type	Servo motor
Display	4.3-inch industrial-grade true color display
Control method	Touch screen and mechanical keypad
Keypad lifetime	300,000 times
Start/stop, direction signal	Passive switch signal (e.g. foot pedal switch); Active switch signal: 5-24V universal
Output interface	Motor working status output (open-collector output)
Communication interface	RS232, RS485 support Modbus protocol (RTU mode)
Power supply	220V±10% 50Hz/60Hz (standard); 110V±10% 50Hz/60Hz (optional)
Tube pressure	0.8-1.0mm wall thickness: 0.1MPa; 1.6-2.4mm wall thickness: 0.1-0.27MPa
Drive dimension	301*270*334mm (L×W×H)
Drive weight	15.7kg
Power consumption	<80W
Environment temperature	0-40°C
Relative humidity	<80%
IP rating	IP31

■ Dimension Drawing (Unit:mm)

