

Flow Rates Peristaltic Pump



Model No. : LabV-III series

Flow Rate : 0.0079-3027.97mL/min

Product Features

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

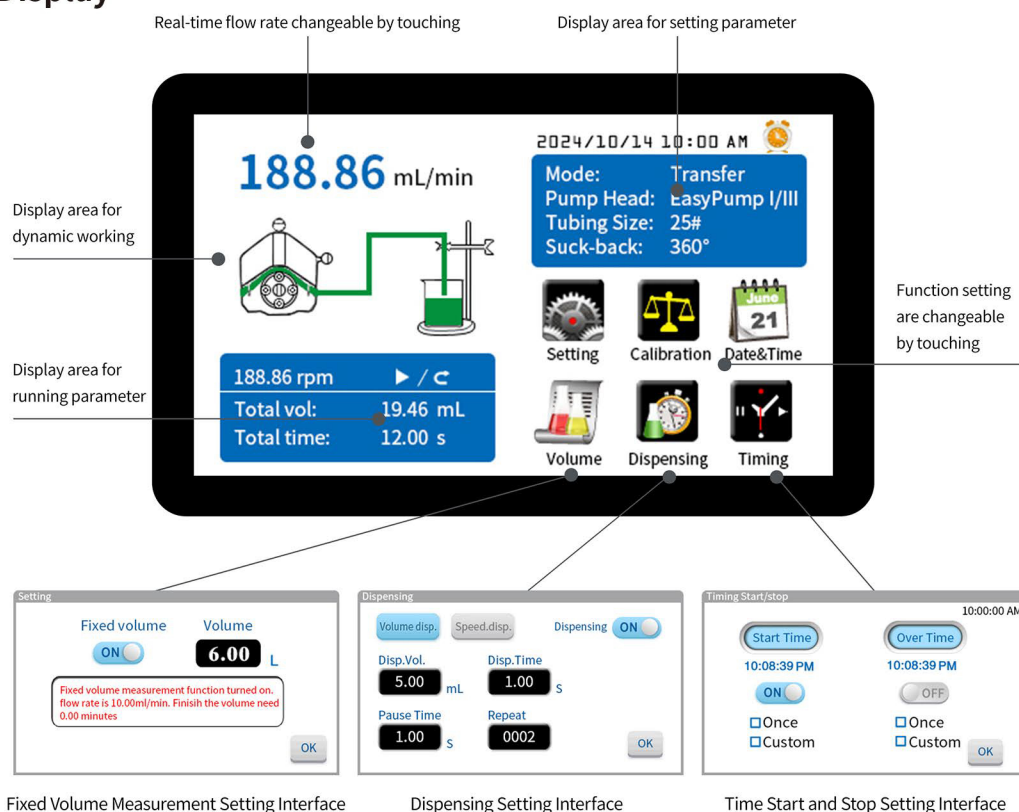
Mechanical keypad control pump start, stop, full speed and direction.

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



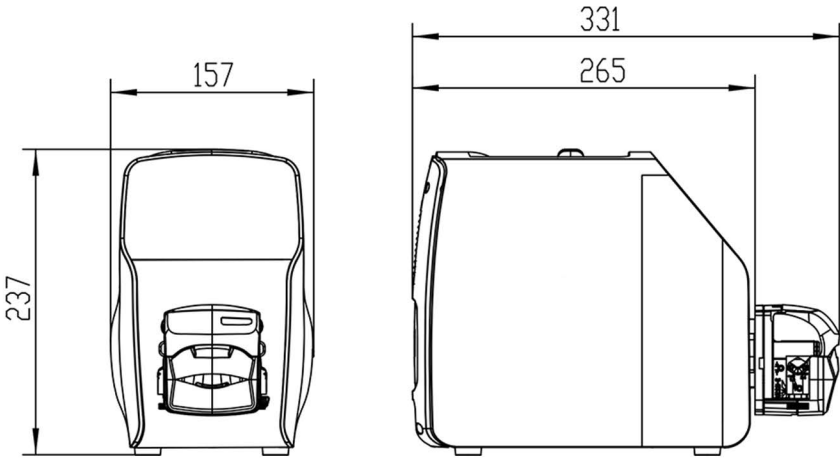
Pump Head



KD15/KD25

Model	Tubing Sizes	IDxWall thickness(mm)	Flow Rate(L/min) (3 rollers, 0.1-600rpm)	Flow Rate(L/min) (4 rollers, 0.1-600rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
KD15	13#	0.8x1.6	0.0083-50.3	0.0079-47.37	0.27	0.17	0.37
	14#	1.6x1.6	0.0281-168.4	0.0267-160.37			
	19#	2.4x1.6	0.0613-367.97	0.0544-326.13			
	16#	3.2x1.6	0.1006-603.5	0.0942-565.47			
	25#	4.8x1.6	0.2243-1345.83	0.2103-1262	0.24	0.14	
	17#	6.4x1.6	0.3297-1978.1	0.2915-1748.93	0.14	0.10	
	18#	7.9x1.6	0.5047-3027.97	0.4483-2690	0.10	0.07	
KD25	15#	4.8x2.4	0.2513-1507.6	0.1979-1187.55	0.27	0.17	
	24#	6.4x2.4	0.3912-2346.95	0.2909-1745.5			

Dimension Drawing (Unit:mm)



Technical Specifications

Drive	LabV1-III	LabV3-III	LabV6-III
Speed range	0.1-150rpm	0.1-350rpm	0.1-600rpm
Flow rate range	0.0079-756.99mL/min	0.0079-1766.31mL/min	0.0079-3027.97mL/min
Flow rate resolution	0.01mL/min		
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%		