

Flow Rates Peristaltic Pump



Model No. : LabN-III series
Flow Rate : 0.0053-3100mL/min

Product Features

3.2" color LCD screen display.

Flow rate and motor speed display in same screen.

Timing function, time range 0.1s-9999 hours, can be used for simple dispensing function.

Screen Display



Pump Head



EasyPump Series
(Pressure Adjustable)



EasyPump Series
(Fixed Pressure)



KD15/KD25

Pump Head & Flow Rate

Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump I	Single Channel	1.6	No
EasyPump II	Single Channel	2.4	No
EasyPump V	Dual Channel	1.6	No

Pump Head	Single/Dual Channel	Tubing Wall Thickness(mm)	Pressure Adjustable
EasyPump III	Single Channel	1.6	Adjustable
EasyPump IV	Single Channel	2.4	Adjustable
EasyPump VI	Dual Channel	1.6	Adjustable

Pump Head	Tubing	ID×Wall thickness(mm)	mL / r	Flow Rate(mL/min) (LabV3-III, 0.1-350rpm)	Tubing Max.Pressure(Mpa)		Weight(kg)
					Intermittent	Continuous	
Single Channel EasyPump I/III	13#	0.8×1.6	0.053	0.0053~32	0.27	0.17	0.6
	14#	1.6×1.6	0.27	0.027~162			
	19#	2.4×1.6	0.55	0.055~330			
	16#	3.1×1.6	0.933	0.093~560			
	25#	4.8×1.6	1.967	0.197~1180	0.24	0.14	
	17#	6.4×1.6	3.333	0.333~2000	0.14	0.10	
	18#	7.9×1.6	4.3	0.430~2580	0.10	0.07	
Single Channel EasyPump II/IV	15#	4.8×2.4	1.8	0.180~1080	0.27	0.17	
	24#	6.4×2.4	2.733	0.273~1640			
	35#	7.9×2.4	3.833	0.383~2300	0.24	0.14	
	36#	9.6×2.4	5.167	0.517~3100			
Dual Channel EasyPump V/VI	13#	0.8×1.6	0.0053	0.0053~32	0.27	0.17	
	14#	1.6×1.6	0.27	0.027~162			
	19#	2.4×1.6	0.55	0.055~330			
	16#	3.1×1.6	0.933	0.093~560			
	25#	4.8×1.6	1.967	0.197~1180	0.24	0.14	

Pump Head	Tubing		3 Rollers		4 Rollers		Speed (rpm)	Weight (kg)
	Size	IDxWall Thickness	(mL/r)	(mL/min)	(mL/r)	(mL/min)		
KD15	13#	0.8x1.6	0.0834	0.0083-50.3	0.0790	0.0079-47.37	0.1-600	0.37
	14#	1.6x1.6	0.2807	0.0281-168.4	0.2673	0.0267-160.37		
	19#	2.4x1.6	0.6133	0.0613-367.97	0.5436	0.0544-326.13		
	16#	3.2x1.6	1.0058	0.1006-603.5	0.9425	0.0942-565.47		
	25#	4.8x1.6	2.2431	0.2243-1345.83	2.1033	0.2103-1262		
	17#	6.4x1.6	3.2968	0.3297-1978.1	2.9149	0.2915-1748.93		
	18#	7.9x1.6	5.0466	0.5047-3027.97	4.4833	0.4483-2690		
KD25	15#	4.8x2.4	2.5127	0.2513-1507.6	1.9793	0.1979-1187.55		
	24#	6.4x2.4	3.9116	0.3912-2346.95	2.9092	0.2909-1745.5		

Technical Specifications

Speed resolution	0.1rpm	Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)
Back suction angle	0-360°	Output interface	Output motor working status (Open-Collector output)
Testing time range	0.1 s-9999 h	Power supply	AC 220V $\pm$ 10% 50Hz/60Hz (standard)
Motor type	Closed-loop stepper motor		AC 110V $\pm$ 10% 50Hz/60Hz (optional)
Display	3.2" high definition LCD screen	Drive dimension (L $\times$ W $\times$ H)	259 $\times$ 157 $\times$ 237 mm
Control method	Digital knob and Mechanical keypad		
Keypad lifetime	300,000 times	Drive weight	4.40 kg
External speed control signal	0-5V, 0-10V, 4-20mA for option	Power consumption	<80W
Start/stop, reversing signal	Passive switch signal, such as foot pedal; Active switch signal: 5V-24V universal	Condition temperature	0-40°C
		Relative humidity	<80%

Dimension Drawing (Unit:mm)

