

Flow Rate Peristaltic Pump (Intelligent Type)

Product Introduction

4.3 inch color touch screen control; dynamic display working status; flow data, settled parameters and system settings displayed in the same screen. Intelligent calibration and online micro adjusting function; three measurement mode: fixed volume measurement, fixed time and volume, timer start and stop. It can load different pump head. It is the ideal choice for laboratory, industrial production and equipment supporting.

The pump can load different pump head:

YZ1515x, YZ2515x easy load pump head,
MC series multichannel pump head (MC1~MC12),
DG series multichannel pump head (DG-1~DG-12),
SN series standard pump head (SN15, SN25),
DZ25-3L fast load pump head.

Model Number

• V1 • V3 • V6

Typical Application

- Laboratory application
- Industrial equipment supporting



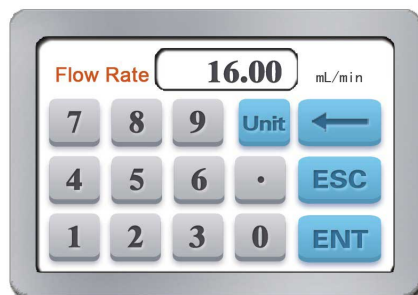
Features

- 4.3 inch color touch screen control, dynamic display working status, the flow volume and motor speed display 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.

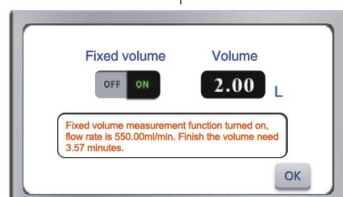
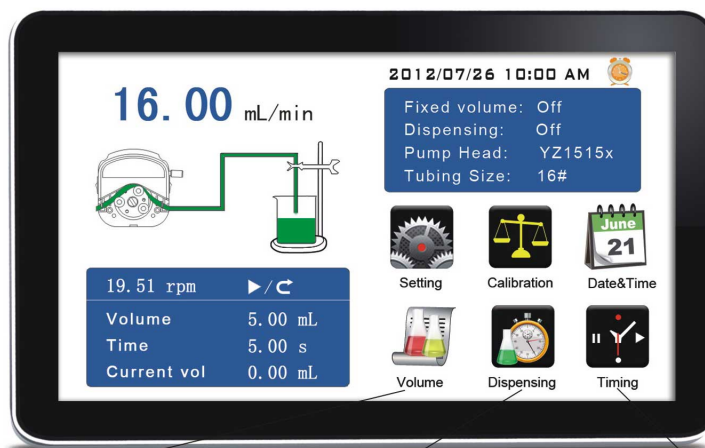
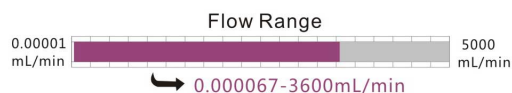
Touch screen control
dynamic display



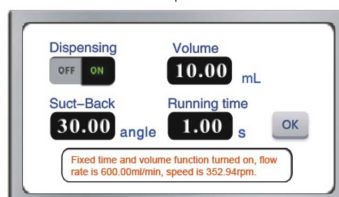
- Fixed volume measurement function: After turn on this function, the peristaltic pump will measure the liquid volume automatically, it will stop automatically after the volume reaches the set value. During this process, the volume can be changed. It is suitable for laboratory liquid dosing and chemical reaction process.
- Fixed time and volume function: After turn 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.
- Load-shedding memory function, store the running parameters in time, safe and reliable.
- Fast fluid-filled function, can wash the tubing and also fill fluid in the 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 housing, resist corrosion, no rust.
- High performance-price ratio.
- Not suitable for outdoor application.



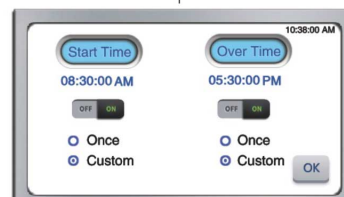
V Series Flow Setting Interface



Fixed Volume Measurement Setting Interface



Fixed Time and Volume Setting Interface



Timer Start and Stop Setting Interface

Technical Specifications

Flow Rate Peristaltic Pump		Pump head & Flow rates (mL/min)								
		YZ1515x	YZ2515x	MC1~MC12 (10)	MC1~MC12 (6)	DZ25-3L	SN25	SN15-14	SN15-16	
Tubing		13 [#] 、14 [#] 、19 [#] 、16 [#] 25 [#] 、17 [#] 、18 [#]	15 [#] 、24 [#]	Inner diameter: 0.13-3.17mm Wall thickness: 0.8-1mm		15 [#] 、24 [#] 35 [#] 、36 [#]	24 [#]	14 [#]	16 [#]	
Drive & speed(rpm)	V1	0.1-150rpm	0.007-570	0.017-435	0.000067-32(suggest working rotating speed ≤150rpm)	0.00008-45(suggest working rotating speed ≤150rpm)	0.21 ~ 900	0.25 ~ 375	0.024 ~ 36	0.088 ~ 132
	V3	0.1-350rpm	0.007-1330	0.017-1015			0.21 ~ 2100	0.25 ~ 875	0.024 ~ 84	0.088 ~ 308
	V6	0.1-600rpm	0.007-2280	0.017-1740			0.21 ~ 3600	0.25 ~ 1500	0.024 ~ 144	0.088 ~ 528

Speed range	V1: 0.1~150rpm	Power supply	AC 220V ± 10%, 50Hz/60Hz (standard)
	V3: 0.1~350rpm		AC 110V ± 10%, 50Hz/60Hz (optional)
	V6: 0.1~600rpm		
Speed resolution	0.01rpm	Power consumption	<50W
Flow rate resolution	0.01	Operating condition	Temperature 0 to 40 °C; Relative humidity < 80%
Operation mode	Touch screen and membrane keypad	Drive dimensions (L × W × H)	213 × 152 × 235mm
Display	4.3 inch true color display screen	Protection rating	IP31
External control	Start/stop and CW/CCW: TTL level	Weight	5.02kg
	Speed control: 0~5V/0~10V/4~20mA		
	RS485 serial communication, standard MODBUS protocol		