Peristaltic Pump- V6 Series

- V6 Series, serve motor drive, 4.3 inch industrial grade true color LCD screen.
- Dynamic display transferring state, flow rate data, setting parameters and system configuration in the same screen. Intelligent calibration and online micro adjusting function.
- 3 measurement mode: Fixed volume measurement, Fixed time and volume, Timer start and stop, Meet different transferring and dispensing requirement.
- Unique motor working status output signal, can be used for other equipments monitoring the peristaltic pump working status.
- Multiple external control modes for option.
- The pump support RS232 and RS485 communication interface with standard MODBUS protocol to achieve external control in different industrial conditions.
- It is the first choice for high level industrial sites, large flow rate, high precision and intelligent control liquid transferring.

ST-DZ25-3L   ST-DZ25-6L   ST-YZ35

Functions and Features

- 4.3 inch - industrial grade - true color LCD screen.
- Serve motor drive, precise control, strong power, low vibration and low noise.
- SASTEC V-CIR circuit system, use high quality chips, computing speed fast, reliable performance, working stable.
- SASTEC V-EMB operation system, embedded software design, powerful function, friendly interface, attention to users' experience.
- Intelligent calibration function, can calibrate the flow rate or dispensing volume, ensure the flow rate accuracy. Suitable for high precision transferring liquid.
- Fixed volume measurement function: After turn on this function, the pump will measure the liquid volume automatically, it will stop automatically after the volume reach the set value. During the process, you can change the flow rate freely. It is suitable for laboratory liquid dosing and chemical reaction process.
- Fixed time and volume: After turn on this function, the 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.
- Online micro adjusting function. During the production process, if the tubes fatigue or abrasion, you can use the online micro adjusting function to adjust the flow rate without stopping the pump.
- Unique accurate angle control technology, achieve high accuracy dispensing and dosing.
- Fast filling function, not only can be used for washing the tubing, but also can fill liquid to the tubing fast.
- Automatic temperature control system, reducing the fan noise effectively.
- Power down memory function, store the running parameters in time, safe and reliable.
- Strong anti-jamming feature, wide voltage design, suitable for complex power supply environment.
- Circuit board spray with three paint, anti-dust, anti-moisture, anti-static, resist corrosion.
- 304 stainless steel housing, comply with pharmaceutical GMP certificate requirement.
- ST-DZ25-3L, ST-DZ25-6L and ST-YZ35 pump head, aluminum alloy material, 304 stainless steel rollers, strong rigidity, high accuracy, reliable performance, excellent quality.

Specification of Peristaltic Pump			
Model	ST-V6-3L	ST-V6-6L	ST-V6-12L
Flow Rate Range	0.211-3600mL/ min	0.3-6000mL/ min	1.23-12000mL/ min
Speed range	0.1-600 rpm, reversible		
Speed resolution	0.01 rpm		
Flow rate resolution	0.01mL		
Accuracy	＜±0.5%		
Back suction angle	0-360°		
Output pressure	0.3Mpa		
Control method	Touch screen and mask keypad		
External control speed	0-5V, 0-10V, 4-20mA		
External control start/ Stop and direction	Passive switch signal, such as : foot pedal switch Active switch signal: 5V, 12V, 24V for option.		
Communication interface	RS232, RS485 support MODBUS protocol (RTU mode)		
Output interface	Output motor working status (Open-Collector output)		
Power supply	AC220V±10%, 50Hz/60Hz (standard)		
Drive dimension	223 x 152 x 200 mm	283 x 192 x 218 mm	302 x 223 x 275 mm
Drive weight	5.05Kg	7.85Kg	13.14Kg
Power consumption	<80W	<180W	<300W
Working condition	Environment temperature: 0-40℃ Relative humidity: ＜80%		
IP rate	IP31		