

WG600F Intelligent Dispensing Peristaltic Pump

Patented product

The pump is suitable for transferring and dispensing large amount of fluid in industry. Brushless servo motor drive with large torque, no maintenance, high rotating accuracy. The pump has three types of distributing mode: time dispensing mode, volume dispensing mode; copy dispensing mode, meets all kinds of complex dispensing requirements. RS485 interface, as adopting the MODBUS communication protocol, the pump is easier to be connected with other equipments, such as computer, human machine interface and PLC.

Function and Feature

- Flow range: 0.01-13(L/min)
- Speed range: 0.1-600rpm.
- Applicable pump head: YZ35, 2xYZ35.
- Brushless servo motor drive with large torque, no maintenance, high rotating accuracy.
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- Color LCD displaying, touch screen and keypad for operating.
- Reversible direction, start/stop and full speed, state memory (power-down memory).
- Speed resolution: <0.1rpm, speed accuracy: <0.5%
- Calibrating flow function.
- Three types of distributing mode: time dispensing mode; volume dispensing mode, copy dispensing mode.
- Automatically store five groups of working parameters.
- The operating expert system guides users setting parameters correctly.
- Remote infrared controlling function.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid, alkali, sodium and the organic solvents.
- External high-low electrical level controls the start/stop, reversible direction and easy dispensing function, Optically coupled isolator. External analog adjusts the rotate speed.
- RS485 interface, MODBUS protocol is available, easy to connect other equipments.

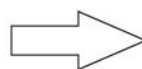


The parameters

- Flow range: 0.01~13 L/min.
- Speed accuracy: < 0.5%.
- Speed range: 0.1 ~ 600 rpm.
- Speed resolution: 0.1rpm.
- Power supply: AC220V \pm 10% 50/60Hz(standard).
- Power consumption: < 300W.
- External control: Input level 5V,12V(standard), 24V(optional).
- Communication interface: RS485 communication interface, MODBUS protocol is available.
- Operating condition: Temperature 0 ~ 40°C
Relative humidity <80%.
- IP grade: IP31.
- Dimensions(LxWxH): 350x235x315(mm).
- Weight: 15kg.

Filling application reference table

Filling fluid volume	Recommend the pump head	Recommend the tube	Speed (RPM)	Filling time (second)	Reliability error (%)
100mL	YZ35	73#	>500	<0.89	< \pm 1
200mL	YZ35	82#	>500	<1.13	< \pm 1
300mL	YZ35	82#	>500	<1.7	< \pm 1
500mL	YZ35X2	82#	>500	<1.41	< \pm 1



Two channels diagram



WG600F Applicable Pump head and tubing,flow parameters

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate(L/min)
WG600F	YZ35	1	73# 82#	0.01 ~ 13
	2xYZ35	2	73# 82#	0.01 ~ 13