

## WT600F Intelligent Dispensing Peristaltic Pump

WT600F intelligent dispensing peristaltic pumps adopts LF-Touch-OS software system, color LCD touch screen with intuitive and clear displaying interface. Brushless servo motor drive with large torque, free maintenance. Four working mode: flow rate mode, volume dispensing, time dispensing, copy dispensing, suitable for different working requirements. The standard communication protocol, the pump is easier to be connected with other equipments. With intelligent temperature control fan, reduce noise, stainless steel housing, easy to clean, corrosion resistant.

**Application Fields:** Modern Laboratories, Industrial Production, Agriculture, Medical Equipment, and other sectors

**Typical Applications:** Material transfer and preparation, TFF/DFF ultrafiltration, Coating and granulation, Multi-channel transfer

### Features

- Color LCD display, touch screen and button operation, easy to operate.
- Four working mode: flow rate mode, volume dispensing, time dispensing, copy dispensing.
- All the dispensing modes can store up to 5 sets of dispensing parameters.
- Start/stop, reversible direction, full speed, adjust speed, state memory (power-down memory).
- Display and control flow rate, accumulate dispensing volume automatically.
- Speed resolution 0.1rpm.
- Brushless servo motor drive, large torque, high efficiency, and maintenance free.
- Wizard flow calibrating function.
- Infrared remote control function (optional)
- Peristaltic pump expert system, wizard prompt operation, more convenient
- Intelligent temperature-control cooling fan reduces working noise.
- External control for start/stop, reversible direction and dispensing function.
- RS485 communication interface, MODBUS protocol available.
- The circuit board is sprayed with three anti paint processes to achieve dustproof and moisture-proof effects.
- Super anti-interference feature, wide input voltage range.
- 304 stainless steel shell, easy to clean, corrosion resistant.
- Large torque output, cascading multiple pump heads.
- Connect foot switch control start-stop for dispensing fluid.

## Technical Parameters

Parameter	WT600F
Flow Range	0.005 - 6600 mL/min
Speed Range	0.1 - 600 rpm
Speed resolution	0.1 rpm
Dispensing volume	0.001 $\mu$ L - 9999 L
Dispensing time	1 - 999, "0" Infinite cycle
Dispensing interval	0.1 - 999.9 S/Min/H
Speed accuracy	< $\pm$ 0.2%
Power supply	AC 100 - 240V, 50Hz/60Hz
Power consumption	< 150W
External control	5V, 12V (Std), 24V (Opt)
Communication	RS485, Modbus, DB15
Working environment	0 - 40°C, humidity < 80%
IP grade	IP31
Dimension (LxWxH)	286 x 180 x 230 mm
Weight	5.5 kg

## Filling Application Reference Table

Pump Drive	Pump Head	Tube	Filling Volume (mL)	Filling Time
WT600F	YZ15/YZ15T	13#14#19#16#25#17#	0.1 - 50	0.6 - 3s
	YT25	114#116#15#24#35#36#	10 - 100	1 - 4s
	KZ25-L	15#24#35#36#	20 - 200	1 - 4s

## WT600F Applicable Pump Head and Tube Flow Rates

Pump Drive	Pump Head	Channel	Tube	Single Channel Flow Rate (mL/min)
WT600F	YZ15/YZ15T	1,2,3,4	13#14#19#16#25#17#18#	0.005 - 2562
	YT25	1,2	114#116#15#24#35#36#	0.024 - 3000
	KZ25	1,2	15#24#35#36#	0.31 - 6600

	KZ25-L	1	15#24#35#36#	0.31 - 6600
--	--------	---	--------------	-------------

Note: Above flow parameters are obtained by using silicone tube to transfer pure water under normal temperature and pressure. In actually using it is effected by specific factors such as pressure, medium etc. Above for reference only.

**Redox Flow**

Stokagervej 6H, 8240 Risskov, Denmark

Email: [sales@redox-flow.com](mailto:sales@redox-flow.com) Web: [www.redox-flow.com](http://www.redox-flow.com) Tel: +45 31 26 20 40