



WT S Series



WT 300S Basic Variable-Speed Peristaltic Pump

WT300S pump can work with up to 4 pump heads because of the large torque DC brushless motor drive and it's maintenance free. It has basic functions such as reversible direction, start/stop, full speed (for fast cleaning) and adjustable speed. The start/stop, reversible direction, speed adjustment functions can be controlled by external control signal, besides it also has time dispensing function. With RS485 MODBUS communication interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Specifications

- Flow range: 3-3500 mL/min
- Speed range: 30-350 rpm/min
- Speed resolution(rpm): 1 rpm
- Flow accuracy: 3%
- Power supply: AC 220V+/-10%, 50Hz/60Hz; AC 100V+/-10%, 50Hz/60Hz
- Power consumption: <200W
- External logic level control signal: 5V, 12V (standard), 24V (optional)
- External analog control signal: 0-5V (standard), 0-10V, 4-20mA (optional)
- Communication interface: RS485 MODBUS interface
- Operating condition: 0~40 °C
- Relative humidity: < 80%
- IP grade: IP31
- Dimensions (L x W x H): 286mm x 180mm x 230mm (11.3 inch x 7.1 inch x 9.1 inch)
- Weight: 6.2kg (13.9 lbs)



WT 300S

functions and features

- Four digits LED indicator display working speed.
- The LED indicator displays the internal, external control, footswitch etc working modes.
- Membrane keypad operation.
- Reversible direction, start/stop, adjustable speed and full speed, power-off memory function
- Easy dispensing functions, repeats liquid dispensing by time or volume.
- Can drive multi-channels and various types of pump heads.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid, alkali, sodium and the organic solvents.
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- Anti-interference feature, wide input voltage range for complex power environment.
- External on/off voltage signal controls the start/stop, reversible direction and easy dispensing function, optically coupled isolator; external analog control signal adjusts the rotate speed.
- RS485 MODBUS interface, easy to be controlled by external device.
- Optional footswitch or timer for dispensing fluid.

WT 300S Suitable Pump Heads and Tubing, Flow parameters

Drive type	Pump head	Ch	Tubing size	Flow rate per channel (mL/min)
WT300S	YZ15	1	13# 14# 16# 19# 25# 17#	3-990
	YZ25	1	15# 24#	50-990
	2 x YZ15	2	13# 14# 16# 19# 25# 17#	3-990
	2 x YZ25	2	15# 24#	50-990
	4 x YZ15	4	13# 14# 16# 19# 25# 17#	3-990
	4 x YZ25	4	15# 24#	50-990
	YT15	1	13# 14# 16# 19# 25# 17# 18#	3-1300
	YT25	1	15# 24# 35# 36#	50-1600
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	3-1300
	2 x YT25	2	15# 24# 35# 36#	50-1600
	4 x YT15	4	13# 14# 16# 19# 25# 17# 18#	3-1300
	4 x YT25	4	15# 24# 35# 36#	50-1600
	DT15-24	2	16# 19# 25# 17#	14-930
	DT15-44	4	16# 19# 25# 17#	14-610
	KZ25	1	15# 24# 35# 36#	80-3500
	2 x KZ25	2	15# 24# 35# 36#	80-3500

WT 600S Basic Variable-Speed Peristaltic Pump

WT600S basic variable speed peristaltic pump provides flow rate from 3 to 6000mL/min. The large torque DC brushless motor drive is no maintenance required, and it can drive up to four pump heads. It has basic functions such as reversible direction, start/stop, full speed (for fast cleaning), adjust speed. The basic dispensing function can easily repeat liquid dispensing by time or volume. With MODBUS RS485 interface, the pump is easy to be controlled by external device, such as computer human machine interface or PLC.

Specifications

- Flow range: 3-6000 mL/min
- Speed range: 30-600 rpm
- Speed resolution: 1 rpm
- Flow accuracy: 3%
- Power supply: AC 180-264V 50Hz/60Hz (standard); AC 90-132V 50Hz/60Hz (optional)
- Power consumption: <200W
- External on/off control voltage: 5V, 12V (standard), 24V (optional); External control analog signal: 0-5V (standard), 0-10V, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: 0~40 °C
- Relative humidity: < 80%
- IP grade: IP31
- Dimensions (L x W x H): 286mm x 180mm x 230mm (11.3 inch x 7.1 inch x 9.1 inch)
- Weight: 6.2kg (13.9 lbs)



WT 600S

functions and features

- Four digits LED indicator displays working speed.
- The LED indicator shows the working mode: internal control, external control or footswitch.
- Membrane keypad operation.
- Reversible direction, start/stop, adjust speed and full speed, state memory (power-off memory).
- Easy dispensing functions, it can repeat timing quantitative fluid dispensing.
- Can drive multi-channels and various types of pump heads.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid ,alkali ,sodium and the organic solvents.
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- 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 with external device.
- Optional footswitch or timer for dispensing fluid.

WT 600S Suitable Pump Heads and Tubing, Flow parameters

Drive type	Suitable pump heads	channel	Tubing size (mm)	Flow rate (mL/min) per channel
WT600S	YZ15	1	13# 14# 16# 19# 25# 17#	3-1700
	YZ25	1	15# 24#	50-1700
	2 x YZ15	2	13# 14# 16# 19# 25# 17#	3-1700
	2 x YZ25	2	15# 24#	50-1700
	4 x YZ15	4	13# 14# 16# 19# 25# 17#	3-1700
	4 x YZ25	4	15# 24#	50-1700
	KZ25	1	15# 24# 35# 36#	80-6000
	2 x KZ25	2	15# 24# 35# 36#	80-6000
	DT15-24	2	16# 19# 25# 17#	14-1600
	DT15-44	4	16# 19# 25# 17#	14-1600
	YT15	1	13# 14# 16# 19# 25# 17# 18#	3-2300
	YT25	1	15# 24# 35# 36#	50-2900
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	3-2300
	2 x YT25	2	15# 24# 35# 36#	50-2900
	4 x YT15	4	13# 14# 16# 19# 25# 17# 18#	3-2300
	4 x YT25	4	15# 24# 35# 36#	50-2900

WT 600S-65 Basic Variable-Speed Peristaltic Pump

The IP65 waterproof grade WT600S-65 basic variable speed peristaltic pump provides flow rate from 3 to 6000mL/min. The large torque DC brushless motor drive is no maintenance required, and it can drive up to four pump heads. It has basic functions such as reversible direction, start/stop, full speed (for fast cleaning), adjustable speed. The basic dispensing function can easily repeat liquid dispensing by time. With MODBUS RS485 interface, the pump is easy to be controlled by external device, such as computer, human machine interface or PLC.

Specifications

- Flow range: 3-6000 mL/min
- Speed range: 30-600 rpm
- Speed resolution: 1 rpm
- Flow accuracy: 3%
- Power supply: AC 180-264V 50Hz/60Hz (standard); AC 90-132V 50Hz/60Hz (optional)
- Power consumption: <200W
- External on/off control voltage: 5V, 12V (standard), 24V (optional); External control analog signal: 0-5V (standard), 0-10V, 4-20mA (optional)
- Communication interface: RS485 MODBUS
- Operating condition: 0-40 °C
- Relative humidity: < 80%
- IP grade: IP65
- Dimensions (L x W x H): 330 x 220 x 235 mm (13.0 x 8.7 x 9.3 inch)
- Weight: 7.1kg (15.7 lbs)



WT 600S-65

functions and features

- Four digits LED indicator displays working speed.
- The LED indicator shows the working mode: internal control, external control or footswitch.
- Membrane keypad operation.
- Reversible direction, start/stop, adjust speed and full speed, state memory (power-off memory).
- Easy dispensing functions, it can repeat timing quantitative fluid dispensing.
- Can drive multi-channels and various types of pump heads.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid ,alkali ,sodium and the organic solvents.
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- External voltage controls 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 with external device.
- Optional footswitch or timer for dispensing fluid.

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WT 600S-65 Suitable Pump Heads and Tubing, Flow parameters

Drive type	Suitable pump heads channel	Tubing size (mm)	Flow rate (mL/min) per channel	
WT600S-65	YZ15	1	13# 14# 16# 19# 25# 17#	3-2300
	YZ25	1	15# 24#	50-1700
	2 x YZ15	2	13# 14# 16# 19# 25# 17#	3-1700
	2 x YZ25	2	15# 24#	50-1700
	KZ25	1	15# 24# 35# 36#	80-6000
	DT15-24	2	19# 16# 25# 17#	14-1600
	YT15	1	13# 14# 16# 19# 25# 17# 18#	3-2300
	YT25	1	15# 24# 35# 36#	50-2900
	2 x YT15	2	13# 14# 16# 19# 25# 17# 18#	3-2300
2 x YT25	2	15# 24# 35# 36#	50-2900	