

BT101S/301S/601S Basic Speed-Variable Peristaltic Pump introduction



This Pump has basic functions such as reversible direction, start/s-top full speed (fast cleaning, empty), and speed-variable. Dispensing function can realize the repeat timing quantitative dispensing. 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.

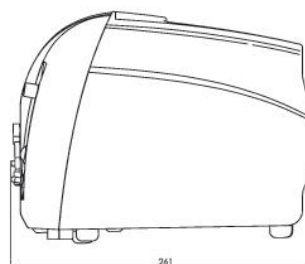
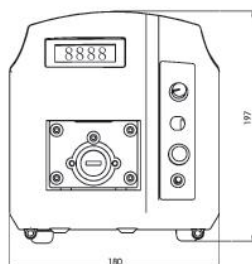
Function and Feature

- Four-figure digital LED indicator displays working speed.
- The LED indicator displays the internal , external control mode.
- Mask keypad operation.
- Reversible direction, start/stop, full speed, state memory (power-down memory).
- Easy dispensing function, it realizes the repeat timing quantitative dispensing .
- 0.1-100 rpm, the speed resolution is 0.1 rpm. 100-150 rpm, the speed resolution is 1 rpm.
- ABS plastic housing, creative streamlined appearance.
- Can drive multi-channels and various types of pump heads.
- Internal double-deck isolation structure. 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 other equipments.
- Optional footswitch or timer for dispensing fluid.



Technical parameters	BT101S	BT301S	BT601S
Flow range (ml/min)	0.0001~720	0.006~1600	0.006~2900
Speed range (rpm)	0.1-150	0.1-350	0.1-600
Speed resolution (rpm)	When running speed is 0.1-100rpm,the resolution is 0.1rpm When running speed is 100-600rpm,the resolution is 1rpm		
Flow accuracy	<0.5%		
Power supply	AC220V $\pm$ 10% 50/60Hz (standard) , AC110 $\pm$ 10% 50Hz/60Hz (optional) .		
Power consumption	<30W	<40W	<50W
External control	Input level 5V, 12V (standard) , 24V (optional) External control analog0~5v (standard) , 0~10v, 4~20mA (optional)		
Communication interface	Rs485 communication interface, MODBUS protocol is available.		
Operating condition	Temperature 0~40℃, Relative humidity <80%		
IP grade	Ip31		
Dimensions(LxWxH)	260mm×181mm×198mm		
Weight	4.5 kg	4.7 kg	4.9 kg

Appearance size



B101S/301S/601S Applicable Pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate (ml/min)
BT101S	DG (6rollers)	1, 2, 4	Wall0.8~1, ID≤2.4	0.00016~26
	DG (10rollers)	1, 2, 4	Wall0.8~1, ID≤2.4	0.00011~20
	DT10-18	1	13#14# Wall0.8~1, ID≤3.17	0.0002~82
	DT10-28	2	13#14# Wall0.8~1, ID≤3.17	0.0002~82
	YZ15	1	13#14#16#19#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#16#19#25#17#18#	0.006~570
	YT25	1	15#24#35#36#	0.16~720
BT301S	YZ15	1	13#14#16#19#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#16#19#25#17#18#	0.006~1300
	YT25	1	15#24#35#36#	0.16~1600
BT601S	YZ15	1	13#14#16#19#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#16#19#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900

BT101S/301S/601S Drive with different pump heads combination



Speed control knob

Easy dispensing button

Full speed button

Reversible direction start/stop

Display Panel and Operating Keypads

DG-2 (6, 10rollers)



DG-1 (6, 10rollers)



DG-4 (6rollers)



YT15 (25)



YZ15 (25)



DT10-18

