

# BT100S/BT100S-1/BT300S/BT600S

## Speed Variable Intelligent Peristaltic Pump



### Typical Application

Liquid addition for synthetic reactions, Liquid discharge, TFF ultrafiltration, Liposuction, Coating and granulation, Supporting fermentation equipment, Chromatography columns, Laboratory reaction vessels, Liquid circulation, Supporting filling machines, Coating



### Pump Head



DG6/10-1/2/4 DS6/10-1/2/4



DT10-18/28/48 DT15-44



DT15-24 YZ15T



YT25

### Technical Parameter

Parameter	BT100S	BT100S-1	BT300S	BT600S
Flow range	0.00011~750mL/min		0.005~1750mL/min	0.005~3000mL/min
Speed range	0.1~150 rpm		0.1~350 rpm	0.1~600 rpm
Speed resolution	0.1rpm (speed≤100rpm), 1rpm(speed > 100rpm)			
Speed accuracy	< ±0.2%			
Dispensing Range	0.1~999seconds/minutes/hours/day			
External control signal input	Control start stop, direction, adaptive 5-24V;			
External control signal output	Analog quantity 0-5V/0-10V/4-20mA can be set Start/Stop, Forward/Reverse			
Communication interface	RS485 communication interface, Modbus protocol is available, DB15 external control interface, WIFI control (optional)			
Power supply	AC100~240V, 50Hz/60Hz			
Power consumption	<40W	<65W	<50W	<60W
Working environment	Temperature 0 ~ 40°C, relative humidity < 80%			
IP grade	IP31			
Dimension(L×W×H)	261x150x237mm	315x150x237mm	261x150x237mm	261x150x237mm
Weight	3.5kg	5.3kg	4.3kg	4.3kg

### BT100S/BT300S/BT600S Applicable Pump Head and Tube, Flow

Drive Type	Pump Head	Channel	Tube	Single Channel Flow Rate(mL/min)
BT100S	DG/DS(10 rollers)	1,2,4	Wall 0.8~1mm, ID≤3.17mm	0.00011~32
	DG/DS(6 rollers)	1,2,4	Wall 0.8~1mm, ID≤3.17mm	0.00016~49
	DT10-18/28/48	1,2,4	13# 14#, wall 0.8~1mm, ID≤3.17mm	0.00023~64
	YZ15/YZ15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~641
	YT25	1,2	114# 116# 15# 24# 35# 36#	0.024~750
	DT15-24	2	19# 16# 25# 17#	0.067~560
BT300S	DT15-24	2	19# 16# 25# 17#	0.67~1307
	DT15-44	4	19# 16# 25#	0.67~770
	YZ15 /YZ15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~1495
	YT25	1,2	114# 116# 15# 24# 35# 36#	0.024~1750
BT600S	DT15-24	2	19# 16# 25# 17#	0.067~2240
	YZ15/YZ15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~2562
	YT25	1,2	114# 116# 15# 24# 35# 36#	0.024~3000
BT100S-1	DG/DS (10 rollers)	8,12,16,24	Wall 0.8~1mm, ID≤3.17mm	0.00011~32
	DG /DS(6 rollers)	8,12,16,24	Wall 0.8~1mm, ID≤3.17mm	0.00016~49
	DT10-88	8	13# 14#, Wall 0.8~1mm, ID≤3.17mm	0.00023~64
	YZ15/YZ15T	1,2,4	13# 14# 19# 16# 25# 17# 18#	0.005~641
	YT25	1,2,4	114# 116# 15# 24# 35# 36#	0.024~750
	DT15-44	4	19# 16# 25# 17#	0.067~560

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.

### Dimension(mm)

