

## Dispensing Peristaltic Pump BT-F Series

### Features:

- \* True color LCD display, touch screen and button operation;
- \* LF-touch-OS software system, efficient and stable, with good human-computer interaction mode, convenient product customization and upgrade;
- \* With liquid allocation, time allocation, copy allocation of three working modes;
- \* Pre-store five groups of assignment parameters for various working modes;
- \* Motor precise rotation Angle control technology reduces the traditional time control distribution mode due to motor slow start and other factors
- \* The distribution error caused by;
- \* With start-stop, positive and negative rotation, full speed, speed regulation, state memory and other basic functions;
- \* Speed resolution of 0.1rpm;
- \* Flow display, flow control, fluid accumulation;
- \* With flow correction function;
- \* Peristaltic pump expert system for maximum user convenience;
- \* Intelligent temperature control function to minimize the noise of peristaltic pump;
- \* External high& low-level control start and stop, positive and negative, simple packing, optical coupling isolation; External control analog quantity to adjust the speed;
- \* RS485 communication, compatible with Modbus protocol, convenient to connect with various control devices;
- \* The internal structure adopts double-layer isolation design, and the circuit board is sprayed with three-proof paint process to achieve dustproof and moisture-proof effect;
- \* Strong anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- \* The driver shell is made of ABS engineering plastic, streamline design, beautiful and practical;
- \* Multiple pump heads can be installed for different combination of pump heads and drivers;
- \* The function of distributing filling can be realized through the external pedal switch to control the start and stop



### Technical Parameters

Model	BT101F	BT301F	BT601F
Flow Range	0.0001~720ml/min	0.006~1690ml/min	0.006~2900ml/min
Rotation Range	0.1~150rpm	0.1~350rpm	0.1~600rpm
Speed Resolution	0.1rpm		
Dispensed Liquid Volume Range	0.05ml~9999l		
Dispensed Frequency Range	1 to 999 times, "0" means infinite loop		
Dispensed Interval Time	0.1~999.9 seconds/minute/hour, time unit is adjustable		
Speed Accuracy	<±0.2%		
Power Supply	AC100~240V, 50Hz/60Hz		
Power	<30W	<40W	<50W
External Control Interface	External control input level 5V, 12V (standard), 24V (optional);		
Communication Interface	external control analog 0-5V (standard), 0-10V, 4-20mA (optional) RS485 communication, compatible with Modbus protocol		
Working Environment	Ambient temperature 0~40°C, relative humidity <80%		
Protection Level	IP31		
Overall Dimensions (L*W*H)	261*180*197mm		
Drive Weight	4.5kg	4.7kg	4.9kg
Packing Size	430*290*320mm		
Gross Weight	8kg		

### Pump Head:



DG type



DT type



YZ15/YZ25



YT15/YT25

### Applicable Pump Head, Hose& Flow Parameters

Driver Model	Applicable pump head	Number of channels	Applicable hose	Single channel flow rate (ml/min)
BT101F	DG (6 Scroll wheel)	1、 2、 4	Wall thickness 0.8~1mm, Inner diameters3.17mm	0.0002~49
	DG (10 Scroll wheel)	1、 2、 4	Wall thickness 0.8~1mm, Inner diameters3.17mm	0.0001~41
	DT10-18	1	13#14#, Wall thickness 0.8~1mm, Inner diameters3.17mm	0.0002~82
	DT10-28	2	13#14#, Wall thickness 0.8~1mm, Inner diameters3.17mm	0.0002~82
	YZ15	1	13#14#19#16#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#19#16#25#17#18#	0.006~570
BT301F	YT25	1	15#24#35#36#	0.17~720
	YZ15	1	13#14#19#16#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#19#16#25#17#18#	0.006~1300
BT601F	YT25	1	15#24#35#36#	0.16~1690
	YZ15	1	13#14#19#16#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#19#16#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900