

## Dispensing Peristaltic Pump BT-F Series

### Features:

- \* Color LCD display, touch screen and keypad for operating.
- \* LF-Touch-OS software system, efficient and stable, with good human-computer interaction mode, convenient product customization and upgrade.
- \* Three types of working mode: volume dispensing mode, time dispensing mode, copy dispensing mode.
- \* Automatically store five groups of working parameters.
- \* Precious controlling technology for motor's rotating angle increases the dispensing accuracy comparing to traditional time dispensing mode caused by factors such as the slow start of the motor.
- \* Start/stop, reversible direction, full speed, adjust speed, state memory (power-down memory).
- \* Speed resolution is 0.1rpm.
- \* Display and control flow rate, accumulate dispensing volume automatically.
- \* Calibration function.
- \* The operating expert system guides users setting parameters correctly.
- \* Intelligent temperature-control technology reduces working noise.
- \* 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 communication interface, MODBUS protocol is available, easy to connect other equipment.
- \* 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.
- \* ABS plastic housing, creative streamlined appearance, beautiful and simple.
- \* Can drive multi-channels and various types of pump heads.
- \* Connect foot switch control start-stop for dispensing volume.



### Technical Parameters

Model	BT101F	BT301F	BT601F
Flow Range	0.0001~720ml/min	0.005~1750ml/min	0.006~3000ml/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); external control analog 0-5V (standard), 0-10V, 4-20mA (optional)		
Communication Interface	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/DS (6 rollers)	1,2,4	Wall0.8~1mm, ID≤3.17mm	0.00016~49
	DG/DS (10 rollers)	1,2,4	Wall0.8~1mm, ID≤3.17mm	0.00011~32
	YZ15T	1,2	13#14#19#16#25#17#18#	0.005~641
	YT25	1	114#116#15#24#35#36#	0.024~750
BT301F	YZ15T	1	13#14#19#16#25#17#18#	0.005~1495
	YT25	1	114#116#15#24#35#36#	0.024~1750
BT601F	YZ15T	1	13#14#19#16#25#17#18#	0.005~2562
	YT25	1	114#116#15#24#35#36#	0.024~3000

Remark: Customers can choose any one model hose as the standard configuration and the standard length is 2 meters.