

Flow Rate Peristaltic Pump BT-L Series

Features:

- \* True color LCD screen display, touch screen plus button operation;
- \* LF-Touch-OS software system;
- \* It has basic functions such as start and stop, forward and reverse, full speed, speed regulation, state memory, etc.;
- \* Rotational speed resolution is 0.1 rpm;
- \* Flow display, flow control, liquid volume accumulation;
- \* With flow correction function;
- \* Unique "simple sub-assembly" function to realize repeated timing and quantitative transmission, eliminating the need for time controllers;
- \* Peristaltic pump expert system, which is convenient for users to the greatest extent;
- \* Intelligent temperature control function, minimize the noise of the peristaltic pump, 45 decibels ultra-quiet design;
- \* External control high and low-level control start and stop, positive and negative, simple subassembly, optocoupler isolation; external control analog quantity adjusts the speed;
- \* RS485 communication, compatible with Modbus protocol, convenient to connect with various control equipment;
- \* The internal structure adopts a double-layer isolation design, and the circuit board is sprayed with three anti-paint technology to achieve the effect of dust and moisture;
- \* Super anti-interference characteristics, wide voltage design, suitable for complex power supply environment;
- \* The drive housing material is made of ABS engineering plastics, streamlined design, simple and beautiful;
- \* A variety of pump heads can be installed to achieve different combinations of pump heads and drivers.



Technical Parameters

Model	BT101L	BT301L	BT601L
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		
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℃, 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)
BT101L	DG (6 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0002~49
	DG (10 Scroll wheel)	1、2、4	Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0001~41
	DT10-18	1	13#14#, Wall thickness 0.8~1mm, Inner diameter≤3.17mm	0.0002~82
	DT10-28	2	13#14#, Wall thickness 0.8~1mm, Inner diameter≤3.17mm	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
	YT25	1	15#24#35#36#	0.17~720
BT301L	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
	YT25	1	15#24#35#36#	0.16~1690
BT601L	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

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