

Flow Rate Peristaltic Pump BT-L 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.
- * Start/stop, reversible direction, full speed, adjust speed and state memory (power-down memory).
- * Speed resolution 0.1rpm.
- * Flow display, flow control and flow accumulation.
- * Flow calibration function.
- * Easy dispensing function, it realizes the repeat timing quantitative dispensing without the time controller.
- * Intelligent temperature control function to minimize peristaltic pump noise, 45 decibel super mute design.
- * 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 equipment.
- * The internal structure adopts double-deck isolation design, and the 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, concise and beautiful.
- * Can drive multi-channels and various types of pump heads.



Technical Parameters

Model	BT101L	BT301L	BT601L
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		
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)
BT101L	DG/DS(6 rollers)	1,2,4	Wall 0.8~1mm, ID≤3.17mm	0.0002~49
	DG/DS(10 rollers)	1,2,4	Wall 0.8~1mm, ID≤3.17mm	0.00011~32
	YZ15T	1,2	13# 14# 19# 15# 25# 17#18#	0.005~641
	YT25	1	114#116#15#24#35#36#	0.024~750
BT301L	YZ15T	1,2	3#14#19#16#25#17#18#	0.005~1495
	YT25	1	114#116#15#24#35#36#	0.024~1750
BT601L	YZ15T	1,2	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.