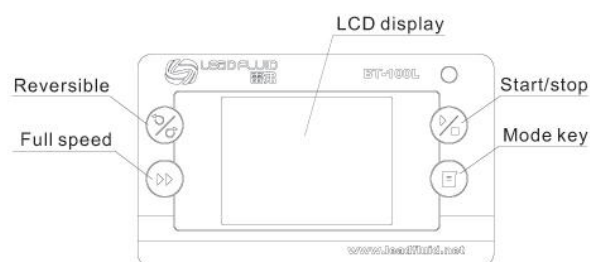


BT100L/BT300L/BT600L Intelligent Flow Peristaltic Pump Introduction

BT100L/BT300L/BT600L Intelligent flow peristaltic pump adopts color LCD and touch screen technology. the operator can input the flow rate directly. Simple operation, the operating interface is intuitive. This product mainly uses in controlling the flow transmission, the highest accuracy of controlling flow is 0.5%. Unique dispensing function realizes the repeat timing quantitative dispensing. RS485 interface, as adopting the MODBUS communication protocol, the pump is easier to be connected with other equipments, such as computer, human machine interface and PLC.



Display Panel and Operating Keypads



Function and Feature

- Color LCD displaying, touch screen and keypad for operating.
- Reversible direction, start/stop and full speed, state memory (power-down memory).
- Speed resolution is above 0.1rpm.
- Display and control flow rate, accumulate dispensing volume automatically.
- Calibrating Flow function.
- Easy dispensing function, it realizes the repeat timing quantitative dispensing, without the time controller.
- 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 interface, MODBUS protocol is available, easy to connect other equipments.
- 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.
- Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid, alkali, sodium and the organic solvents.
- Can drive multi-channels and various types of pump heads.
- Optional footswitch or timer for dispensing fluid.

Technical parameters	BT100L	BT300L	BT600L
Flow range(ml/min):	0.0001~720	0.006~1600	0.006~2900
Speed range(rpm):	0.1-150	0.1-350	0.1-600
Speed resolution(rpm):	0.1rpm		
speed accuracy:	<0.2%		
Power supply:	AC220V ± 10% 50/60Hz(standard); AC110V± 10% 50Hz/60Hz(optional).		
Power consumption:	<40W	<50W	<60W
External control:	Input level 5V,12V(standard),24V(optional) External control analog 0-5v(standard),0-10v,4-20mA(optional)		
Communication interface:	Rs485 communication interface, MODBUS protocol is available.		
Operating condition:	Temperature 0~40°C, Relative humidity <80%		
IP grade:	IP31		
Dimensions(LxWxH):	226mm×150mm×238mm		
Weight:	4.7 kg	4.9 kg	5.2 kg



BT100L/300L/600L Drive with different pump heads combination

BT100L/300L/600L Applicable Pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate(ml/min)
BT100L	DG (6rollers)	1, 2, 4	Wall0.8~1, ID≤2.4	0.00016~26
	DG (10rollers)	1, 2, 4	Wall0.8~1, ID≤2.4	0.00011~20
	DT10-18	1	13#14# Wall0.8~1, ID≤3.17	0.0002~82
	DT10-28	2	13#14# Wall0.8~1, ID≤3.17	0.0002~82
	DT10-48	4	13#14# Wall0.8~1, ID≤3.17	0.0002~82
	YZ15	1, 2	13#14#16#19#25#17#	0.006~420
	YZ25	1, 2	15#24#	0.16~420
	YT15	1, 2	13#14#16#19#25#17#18#	0.006~570
	YT25	1, 2	15#24#35#36#	0.17~720
	DT15-14	1	19#16#25#17#	0.05~400
	DT15-24	2	19#16#25#17#	0.05~400
	DT15-44	4	19#16#25#	0.05~260
BT300L	YZ15	1, 2	13#14#16#19#25#17#	0.006~990
	YZ25	1, 2	15#24#	0.16~990
	DT15-14	1	19#16#25#17#	0.05~930
	DT15-24	2	19#16#25#17#	0.05~930
	DT15-44	4	19#16#25#	0.05~610
	YT15	1, 2	13#14#16#19#25#17#18#	0.006~1300
BT600L	YT25	1	15#24#35#36#	0.16~1600
	YZ15	1, 2	13#14#16#19#25#17#	0.006~1700
	YZ25	1, 2	15#24#	0.16~1700
	YT15	1, 2	13#14#16#19#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900