

BT101L/BT301L/BT601L Intelligent Flow Peristaltic Pump Introduction

BT101L/BT301L/BT601L 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.

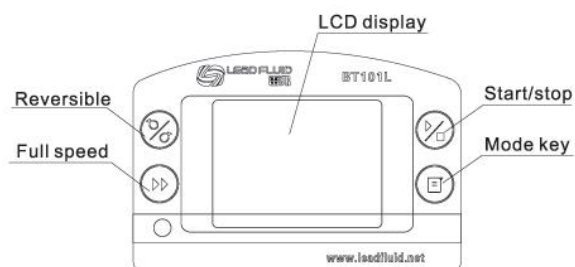
Function and Feature

- 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.

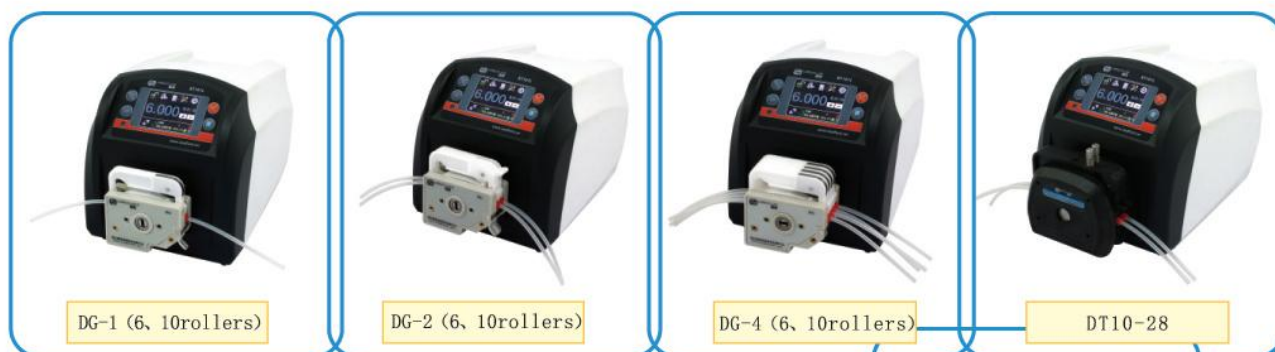


- Internal double-deck isolation structure; circuit board with conformal coating makes it dust-proof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- ABS plastic housing, creative streamlined appearance.
- Can drive multi-channels and various types of pump heads.
- Optional footswitch or timer for dispensing fluid.

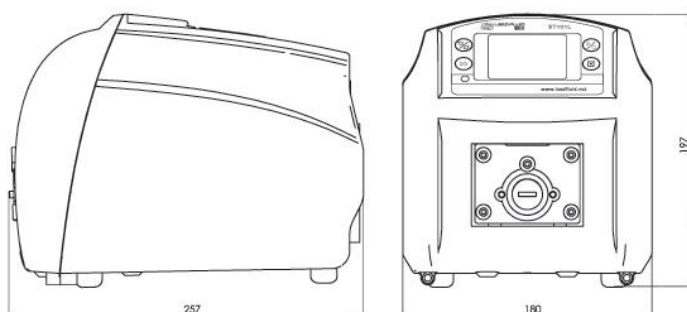
Display Panel and Operating Keypads



Technical parameters	BT101L	BT301L	BT601L
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 :	<0.5%		
Power supply :	AC220V ± 10% 50/60Hz(standard) ; AC110V± 10% 50Hz/60Hz(optional).		
Power consumption :	<30W	<40W	<50W
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):	257x180x197(mm)		
Weight:	4.5 kg	4.7 kg	4.9 kg



BT101L/301L/601L Drive with different pump heads combination



Appearance size



BT101L/301L/601L Applicable Pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate(ml/min)
BT101L	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
	YZ15	1	13#14#16#19#25#17#	0.006~420
	YZ25	1	15#24#	0.16~420
	YT15	1	13#14#16#19#25#17#18#	0.006~570
	YT25	1	15#24#35#36#	0.16~720
BT301L	YZ15	1	13#14#16#19#25#17#	0.006~990
	YZ25	1	15#24#	0.16~990
	YT15	1	13#14#16#19#25#17#18#	0.006~1300
	YT25	1	15#24#35#36#	0.16~1600
BT601L	YZ15	1	13#14#16#19#25#17#	0.006~1700
	YZ25	1	15#24#	0.16~1700
	YT15	1	13#14#16#19#25#17#18#	0.006~2300
	YT25	1	15#24#35#36#	0.16~2900