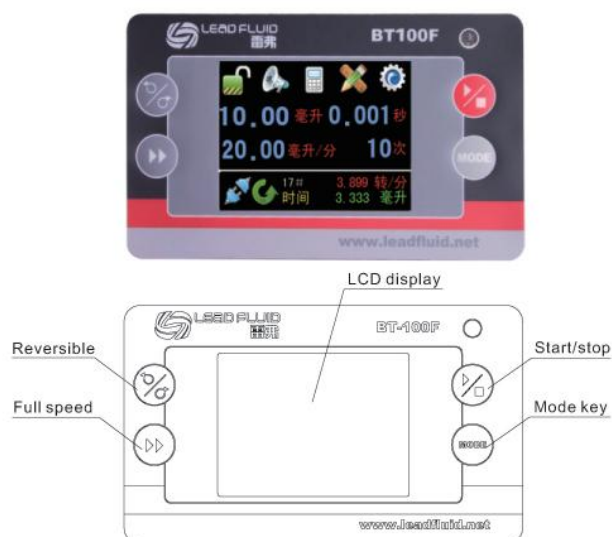


BT100F/BT300F/BT600F Intelligent Dispensing Peristaltic Pump Introduction

- Color LCD displaying, touch screen and keypad for operating.
- Three types of distributing mode: time dispensing mode; volume 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.
- Remote infrared controlling function.
- Reversible direction, start/stop and full speed, state memory (power-down memory).
- Speed resolution is 0.1rpm.
- Display and control flow rate, accumulate dispensing volume automatically.
- Calibrating flow 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 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, alkal, sodium and the organic solvents.
- Can drive multi-channels and various types of pump heads.
- Optional footswitch or timer for dispensing fluid.



Display Panel and Operating Keypads

Filling application reference table

Filling fluid volume	Recommend the pump head	Recommend the tube	Speed (RPM)	Filling time (second)	Reliability error (%)
50uL	DG6-1	0.25×0.89	>90	<6.66	<±2
0.1mL	DG6-1	0.5×0.8	>90	<3.03	<±2
0.2mL	DG6-1	0.5×0.8	>90	<6.06	<±1
0.3mL	YZ15	13#	>500	<0.6	<±2
0.5mL	YZ15	13#	>500	<1	<±1
0.8mL	YZ15	13#	>500	<1.6	<±1
1mL	YZ15	13#	>500	<2	<±1
2mL	YZ15	14#	>500	<1.1	<±1
3mL	YZ15	14#	>500	<1.65	<±1
5mL	YZ15	19#	>500	<1.68	<±1
8mL	YZ15	16#	>500	<1.2	<±1
10mL	YZ15	16#	>500	<1.5	<±1
20mL	YZ15	25#	>500	<1.43	<±1
50 mL	YZ15	17#	>500	<2.11	<±1

Technical parameters	BT100F	BT300F	BT600F
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		
Flow 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



BT100F/ BT300F/BT600F Applicable Pump head picture

BT100F/BT300F/BT600F Applicable Pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate (ml/min)
BT100F	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#	0.0006~420
	YZ25	1、2	15#24#	0.16~420
	YT15	1、2	13#14#16#19#25#17#18#	0.0006~570
	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
BT300F	DT15-44	1、2	13#14#16#19#25#17#	0.006~990
	YZ15	1、2	15#24#	0.16~990
	YZ25	1	19#16#25#17#	0.05~930
	DT15-14	2	19#16#25#17#	0.05~930
	DT15-24	4	19#16#25#	0.05~610
	DT15-44	1、2	13#14#16#19#25#17#18#	0.006~1300
	YT15	1	15#24#35#36#	0.16~1600
BT600F	YT25	1、2	13#14#16#19#25#17#	0.006~1700
	YZ15	1、2	15#24#	0.16~1700
	YZ25	1、2	13#14#16#19#25#17#18#	0.006~2300
	YT15	1	15#24#35#36#	0.16~2900
	YT25			