

## BT100F-1 Intelligent Dispensing Peristaltic Pump Function and Feature



CE

- Color LCD displaying, touch screen and keypad for operating.
- Four types of working mode: flow rate mode, volume dispensing mode, time dispensing mode, copy dispensing mode are available.
- Three dispensing modes store five groups of working parameters automatically.
- Reversible direction, start/stop and full speed, state memory (power-down memory).
- Display and control flow rate, accumulate dispensing volume.
- Speed resolution is 0.1rpm.
- Expert guide calibration flow function.
- Remote infrared controlling 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, alkali, sodium and the organic solvents.
- Large torque output, can drive multi-channels and various types of pump heads.
- Optional footswitch or timer for dispensing fluid.

- Flw range(ml/min): 0.00011~1700 mL/min
- Speed range(rpm): 0.1~150 rpm/min
- Speed resolution(rpm): 0.1rpm
- Speed accuracy: <0.5%
- Power supply: AC 220V±10% 50Hz/60Hz(standard)  
AC 110V±10%, 50Hz/60Hz(optional)
- Power consumption: <60W
- External control: Input level 5V, 12V(standard),  
24V(optional). xExternal control analog 0~5V  
(standard), 0~10V, 4~20mA (Optional)
- Communication interface: RS485 communication  
Interface, MODBUS protocol is available
- Operating condition: 0 ~ 40°C
- Relative humidity: <80%;
- IP grade: IP31;
- Dimensions(LxWxH): 285mm×150mm×195mm;
- Weight: 6.5kg;

Drive type	Pump head	Channel number	Tubing(mm)	Single channel Flow rate(ml/min)
BT100F-1	DG (6rollers)	8, 12, 16, 24	Wall0.8~1, ID≤2.4	0.00016~26
	DG (10rollers)	8, 12, 16, 24	Wall0.8~1, ID≤2.4	0.00011~20
	DT10-88	8	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, 4	13#14#16#19#25#17#18#	0.006~570
	YT25	1, 2, 4	15#24#35#36#	0.16~720
	KZ25	1, 2	15#24#35#36#	0.25~1200
	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
	DMD25	1	15#24#35#36#	0.3~1700

