<p style="text-align:center">**BT100F Intelligent Dispensing Peristaltic Pump**</p>

BT100F Intelligent Dispensing Peristaltic Pump Introduction
BT100F Intelligent dispensing peristaltic pump flow range: 0.00016-570ml/min. It adopts color LCD touch screen with intuitive and clear displaying interface, easy to operate. Mainly used for accurate measurement and distribution of fluid. If need high accuracy when dispensing, volume dispensing mode is available; if need high producing efficiency, time dispensing mode is more convenient; if want to separate fluid to number of equal parts, copy dispensing mode would be best. When working on flow mode, it is as same as intelligent flow peristaltic pump. The pump adopts intelligent temperature-control technology to reduce working noise. 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.
- 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、 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	BT100F		
Flow range(mL/min)	0.00016-570		
Speed range(rpm)	0.1-150		
Speed resolution(rpm)	0.1		
Flow accuracy	<0.5%		
Power supply	AC220V ± 10% 50Hz/60Hz (standard）； AC110± 10% 50Hz/60Hz (optional)		
Power consumption	<40W		
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):	223x150x195(mm)		
Weight	4.7kg		

BT100F Applicable pump head, tubing and flow parameters:

Drive type	Pump head	Channel number	Tubing(mm)	One channel flow rate (ml/min)
BT100F（304 stainless steel housing）	DG6-1(6 rollers)	1	Wall 0.8～1，ID≤3.17	0.00016～49
	DG10-1(10 rollers)	1	Wall 0.8～1，ID≤3.17	0.00016～41
	DG6-2(6 rollers)	2	Wall 0.8～1，ID≤3.17	0.00016～49
	DG10-2(10 rollers)	2	Wall 0.8～1，ID≤3.17	0.00011～41
	DG6-4(6 rollers)	4	Wall 0.8～1，ID≤3.17	0.00016～49
	DG10-4(10 rollers)	4	Wall 0.8～1，ID≤3.17	0.00011～41
	DG6-8(6 rollers)	8	Wall 0.8～1，ID≤3.17	0.00016～49
	DG10-8(10 rollers)	8	Wall 0.8～1，ID≤3.17	0.00011～41
	YZ15	1	13#14#16#19#25#17#18#	0.0006～575
	YZ25	1	15#24#	0.1667～425
	2×YZ15	1	13#14#16#19#25#17#18#	0.0006～575
	2×YZ25	1	15#24#	0.1667～425
	4×YZ15	1	13#14#16#19#25#17#18#	0.0006～575

BT100F Drive with different pump heads combination

DG-1（6、10 rollers）   DG-2（6、10 rollers）   DG-4（6、10 rollers）   DG-8（6、10 rollers）

DG6-12（6、10 rollers）   YZ15 （25）   2×YZ15（25）   4×YZ15

Appearance size: