

BT101S/BT301S/BT601S Speed-Variable Peristaltic Pump



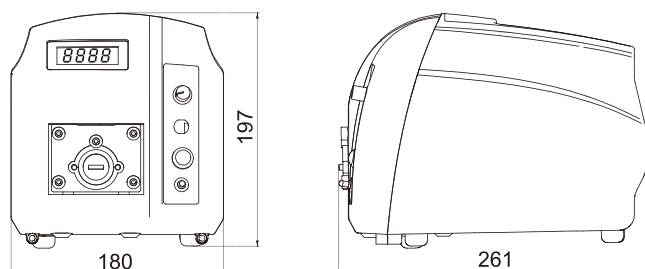
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This series of peristaltic pumps use imported core processor, speed control, stepper motor drive, digital display. It has basic functions such as reversible direction, start/stop, full speed (fast cleaning, empty), and speed-variable. Easy dispensing function can realize 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.

Features

- Four-figure digital LED indicator displays working speed.
- LF-LED-OS software system.
- The LED indicator displays the reversible direction, internal control, external control, foot switch working mode.
- The button is combined with the knob for operation.
- Start/stop, reversible direction, full speed, adjust speed, state memory (power-down-memory).
- Easy dispensing function, it realizes the repeat timing quantitative dispensing.
- Streamlined plastic shell design, simple and stylish.
- Large torque output, can drive multi-channels and various types of pump heads.
- 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.
- 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.
- It can be equipped with foot switch, pulse damper, leak detector and other accessories.

Dimension (mm)



Technical Parameters

Parameters	model	BT101S	BT301S	BT601S
Flow range		0.0001 ~ 720ml/min	0.006 ~ 1690ml/min	0.006 ~ 2900ml/min
Speed range		0.1 ~ 150rpm	0.1 ~ 350rpm	0.1 ~ 600rpm
Speed resolution		0.1~100rpm is 0.1rpm, 100~600rpm is 1rpm		
Flow accuracy		< ±0.5%		
Power supply		AC100 ~ 240V, 50Hz/60Hz		
Power consumption		< 30W	< 40W	< 50W
External control interface		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		
Working environment		Temperature 0 ~ 40°C, relative humidity < 80%		
IP grade		IP31		
Dimension (L×W×H)		261×180×197mm		
Weight		4.5kg	4.7kg	4.9kg