

## Standard Peristaltic Pump BT-S Series

### Features:

- \* 128\*32 LCD screen, Chinese and English switching, simple parameter setting, intuitive status display.
- \* It can realize start and stop, speed regulation, timing operation and other operations remotely through the Lead Fluid APP software, and has monitoring functions such as shutdown alarm, pump tube replacement reminder and so on (optional)
- \* Delay start and delay stop function.
- \* Start/stop, reversible direction, full speed, adjust speed, state memory (power-down-memory).
- \* External analog speed regulation, external control signal control start and stop, positive and negative, physical isolation of external control signal.
- \* External control signal supports 5-24v wide voltage input.
- \* External speed control signal type (voltage or current) can be switched through the control panel.
- \* RS485 communication interface, MODBUS protocol is available, support communication parameter setting easy to connect other equipment.
- \* Set multiple control parameters for ODM customization application.
- \* 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, beautiful and simple.



### Technical Parameters

| Model                      | BT101S   | BT301S           | BT601S           |
|----------------------------|--|------------------|------------------|
| Flow Range                 | 0.0001~720ml/min   | 0.005~1750ml/min | 0.006~3000ml/min |
| Rotation Range             | 0.1~150rpm   | 0.1~350rpm       | 0.1~600rpm       |
| Speed Resolution           | 0.1~100rpm: 0.1rpm; 100~600rpm: 1rpm   |                  |                  |
| Speed Accuracy             | <±0.5%   |                  |                  |
| Power Supply               | AC100~240V, 50Hz/60Hz  |                  |                  |
| Power                      | <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, compatible with Modbus protocol   |                  |                  |
| Working Environment        | Ambient temperature 0~40°C, relative humidity <80%   |                  |                  |
| Protection Level           | IP31   |                  |                  |
| Overall Dimensions (L*W*H) | 261*180*197mm  |                  |                  |
| Drive Weight               | 4.5kg  | 4.7kg            | 4.9kg            |
| Packing Size               | 430*290*320mm  |                  |                  |
| Gross Weight               | 8kg  |                  |                  |

### Pump Head:



DG type



DT type



YZ15/YZ25



YT15/YT25

### Applicable Pump Head, Hose & Flow Parameters

| Driver Model | Applicable Pump Head | Number Of Channels | Applicable Hose                 | Single Channel Flow Rate(ml/min) |
|--------------|----------------------|--------------------|---------------------------------|----------------------------------|
| BT101S       | DG/DS (6 rollers)    | 1,2,4              | Wall 0.8~1mm, ID≤3.17mm         | 0.00016~49                       |
|              | DG/DS (10 rollers)   | 1,2,4              | Wall 0.8~1mm, ID≤3.17mm         | 0.00011~32                       |
|              | DT10-18/28           | 1,2                | 13#14#, Wall 0.8~1mm, ID≤3.17mm | 0.00023~64                       |
|              | YZ15T                | 1,2                | 13# 14# 19# 16# 25# 17# 18#     | 0.005~641                        |
| BT301S       | YT25                 | 1                  | 114#116#15#24#35#36#            | 0.024~750                        |
|              | YZ15T                | 1,2                | 13# 14# 19# 16# 25# 17# 18#     | 0.005~1495                       |
| BT601S       | YT25                 | 1                  | 114#116#15#24#35#36#            | 0.024~1750                       |
|              | YZ15T                | 1,2                | 13# 14# 19# 16# 25# 17# 18#     | 0.005~2562                       |
| BT601S       | YT25                 | 1                  | 114#116#15#24#35#36#            | 0.024~3000                       |

Remark: Customers can choose any one model hose as the standard configuration and the standard length is 2 meters.