



BT600S Speed Variable Intelligent Peristaltic Pump

BT600S speed variable peristaltic pumps adopts imported core processor, high quality stepper servo motor drive, speed control accuracy is $\pm 0.2\%$. Through the Lead Fluid APP software, the pump can be remotely controlled and the running status can be monitored in realtime. RS485 communication, Modbus protocol, can be connected to the upper computer such as computer, single chip microcomputer, PLC, frequency converter, man-machine interface through a variety of signal modes, to achieve systematic centralized control.

Features

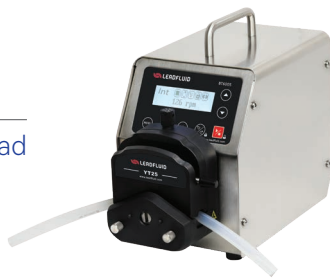
- LF-LCD-OS software system, high definition lattice LCD display, switching between Chinese-English interface, simple parameter setting, intuitive state display.
- High-quality and high-torque stepper servo motor drive, speed accuracy, wide range, operation stability, high-precision flow transmission.
- Industrial mask key operation, simple and convenient, high durability.
- LF-EasyChange universal design, large torque output, strong expansibility, can match various high-performance pump head.
- Start/Stop, adjust speed, reversible direction, full speed and state memory (power-down memory).
- The parameters of running time, interval time and cycle times can be set to meet the requirements of timing, quantitative, liquid dispensing and flow testing.
- Slow speed stop and suction function, which can effectively prevent the dropping of liquid when the machine stops.
- Keyboard lock function to prevent misoperation.
- The remote start-stop, adjust speed and timing operation can be realized by using Lead Fluid APP software. It also has monitoring functions such as stop alarm, change of pump tube and so on (optional).
- Stainless steel 304 material housing, effective prevention of erosion of various organic solvents, easy to clean.
- The internal structure adopts double-layer isolation design, and the circuit system provides special protection, which effectively improves the anti-dust, moisture-proof, anti-corrosion and oxidation resistance.
- Super anti-interference characteristic, wide voltage design, suitable for complex power supply environment.
- RS485 communication interface, Modbus protocol, easy to connect with various control devices.
- Acceptable multiple external industrial control signals to control start-stop, reversible direction and speed adjustment, optically coupled isolator.
- Support start-stop, reversible direction, current speed etc. working state signal output.
- External thermal printer (optional), real-time printing operation parameters.
- It can be equipped with foot switch, pulse damper, leak detector and other accessories.

Technical Parameter

ParameterBT600S

Flow range	0.005~3000 ml/min
Speed range	0.1~600 rpm
Speed resolution	0.1rpm(speed≤100rpm),1rpm(speed > 100rpm)
Speed accuracy	< ±0.2%
Timing function	Timing running time 0.1 ~ 999 S/Min/H/D, interval time 0.1 ~ 999 S/Min/H/D
Interval time	0.1 ~ 999.9 S/Min/H, time unit adjustable
Cycle times	1 ~ 999, "0" Infinite cycle
External control signal input	(1) Start/Stop: passive contact, external control input level (5~24V) (2) Forward/Reverse: passive contact, external control input level (5~24V) (3) Speed Regulation: analog 0~5V, 0~10V, 4~20mA can be set.
External control signal output	(1) Start/Stop: Level Signal (following input voltage) (2) Forward/Reverse: Level Signal (following input voltage)
Communication interface	RS485 communication interface, Modbus protocol is available
Power supply	AC100 ~ 240V, 50Hz/60Hz
Power consumption	<40W
Working environment	Temperature 0 ~ 40℃, relative humidity < 80%
IP grade	IP31
Dimension (L×W×H)	261x150x237mm
Weight	4.3kg

BT600S Applicable Pump Head



YT25



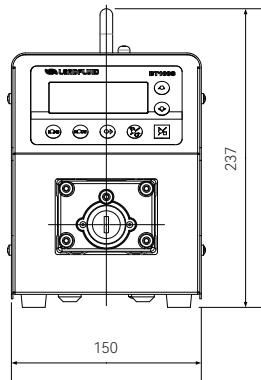
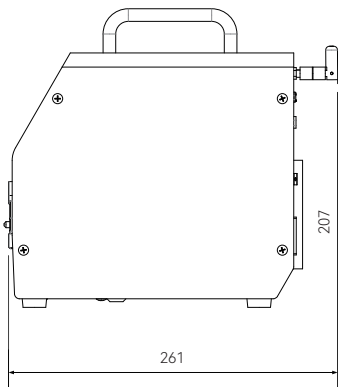
YZ15

BT600S Applicable Pump Head and Tube, Flow

Drive Type	Pump Head	Channel	Tube	Single Channel Flow Rate (ml/min)
BT600S	YZ15	1,2	13#14#19#16#25#17#18#	0.005 ~ 2562
	YT25	1,2	114#116#15#24#35#36#	0.024 ~ 3000

Above flow parameters are obtained by using silicone tube to transfer pure water under normal temperature and pressure, in actually using it is effected by specific factors such as pressure, medium etc. Above for reference only.

Dimension (mm)



Statement: The final explanation right of above information belongs to Lead Fluid.