

BT600L 流量型智能蠕动泵

BT600L Intelligent flow peristaltic pump

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BT600L Intelligent flow peristaltic pump introduction

BT600L 流量型智能蠕动泵流量范围 0.006-2300 毫升/分钟。采用彩色液晶和触摸屏技术，操作界面简单，直观，明了。主要适用于精准流量传输控制，用户可以根据自己的需要流量显示，流量控制，流量累计。同时本产品实现了重复定时定量传输。适用于精确计量和定量给料，精度最高可达 0.5%，为了减小不必要的蠕动泵噪音，采用了智能温控技术。在 RS485 通讯中，因为采用了 MODBUS 协议，更易于与其他控制设备如计算机，人机界面，PLC 等连接。
BT600L Intelligent peristaltic pump flow range:0.006-2300 ml/min. It adopts color LCD displaying and touch screen technology. Easy operation interface is intuitive and clear. This pump is mainly applicable to the accurate transmission control; It also display, control flow rate and accumulate dispensing volume as the users requirements. Meanwhile, it realizes repeated timing quantitative transmission. Suitable for precise metering and dosing, highest precision can amount to 0.5%, in order to reduce unnecessary peristaltic pump noise, it adopts the intelligent temperature control technology. 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.

[蠕动泵视频展示：（点击链接）](#) Peristaltic pump video operation(click link)

功能及特点：

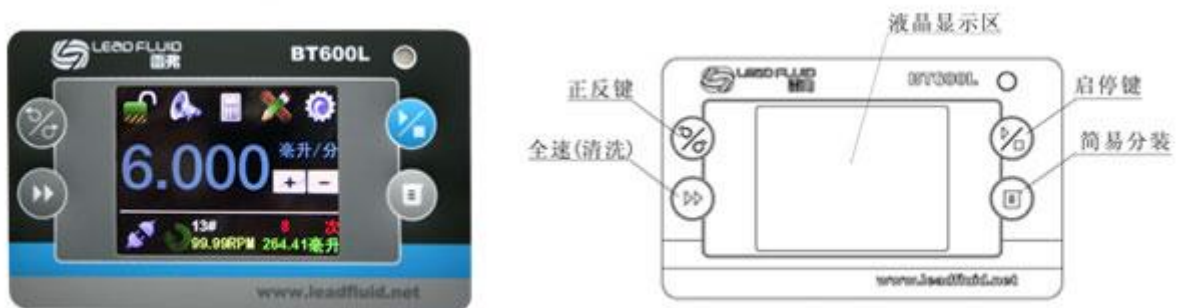
Function &feature:

- 真彩色液晶屏显示，触摸屏加按键操作；
 - 启停、正反、全速，调速、状态记忆（掉电记忆）等功能；
 - 转速分辨率 0.1 转/分钟；
 - 流量显示，流量控制，流量累计；
 - 具有流量校正功能；
 - 特有“简易分装”功能,实现重复定时定量分装,省去时间控制器；
 - 蠕动泵专家系统，最大限度上方便用户的使用；
 - 智能温控功能，最大限度降低蠕动泵噪音；
 - 外控高低电平控制启停，正反，简易分装，光耦隔离；外控模拟量调节转速；
 - RS485 通讯，支持 MODBUS 协议，方便与各种控制设备连接；
- 内部结构采用双层式隔离设计，电路板加喷三防漆工艺，达到防尘防潮效果；
 - 超强的抗干扰特性，宽电压设计，适用于复杂的供电环境；
 - 驱动器不锈钢外壳，易清洁，有效防止各种酸碱盐和有机溶剂的腐蚀；
 - 可以安装不同泵头，实现不同泵头与驱动器组合；
 - 可实现外部脚踏开关或时间分配器控制起停，实现简易分配灌装功能；
- Color LCD displaying, touch screen and keypad for operating
 - Reversible direction, start/stop and full speed, state memory (power-down memory).
 - Speed resolution is above 0.1rpm.
 - Display and control flow rate, accumulate dispensing volume automatically.
 - Calibrating Flow function.
 - Easy dispensing function, it realizes the repeat timing quantitative dispensing, without the time controller.



- 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.

显示面板及操作按键（钮） Display panel and operation keypad



技术参数:

Technical parameters:

- 流量范围: 0.006-2300 毫升/分钟;
- 流量精度误差: <0.5%;
- 转速范围: 0.1~600 (转/分钟);
- 转速分辨率: 0.1 (转/分钟);
- 电源电压: AC 220V±10%,50Hz/60Hz (标配); AC 110V±10%,50Hz/60Hz (选配);
- 功率: 小于 60W;
- 外控接口: 外控输入电平 5V、12V(标配)、24V (选配); 外控模拟量 0-5V(标配),0-10V,4-20mA (选配);
- 外控数字通讯接口: RS485 通讯, 支持 MODBUS 协议;
- 环境温度: 0 ~ 40°C ;
- 相对湿度: <80%;
- 防护等级: IP31;
- 机箱尺寸: (长×宽×高) 223mm×150mm×195mm;
- 重量: 5.1KG;

Technical parameters	BT600L
Flow range(mL/min)	0.006-2300
Speed range(rpm)	0.1-600
Speed resolution(rpm)	0.1rpm
Flow accuracy	<0.5%

Power supply	AC220V ± 10% 50/60Hz(standard); AC110± 10% 50Hz/60Hz(optional).
Power consumption	<60W
External control:	Input level 5V,12V(standard),24V(optional) External control analog0-5v(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:	5.2kg

BT600L 流量型智能蠕动泵适用泵头及软管、流量参数:

BT600L Applicable pump head, tubing and flow parameters:

驱动器型号 Drive type	适用泵头 Pump head	通道数 Channel number	适用软管 (mm) Tubing (mm)	单通道流量 (毫升/分钟) One channel flow rate (ml/min)
BT600L (304 stainless steel)	YZ15	1	13#14#16#19#25#17#18#	0.0006~2300
	YZ25	1	15#24#	0.1667~1700
	2×YZ15	2	13#14#16#19#25#17#18#	0.0006~2300
	2×YZ25	2	15#24#	0.1667~1700

BT600L 驱动器和不同泵头组合:

BT600L Drive with different pump heads combination:



YZ15

YZ25

2×YZ15

2×YZ25

外观尺寸:

Appearance size:

