

## BT103S Speed-Variable Peristaltic Pump



BT103S speed-variable peristaltic pump adopts high quality closed-loop stepper motor drive, speed range 0.1 ~ 100rpm, speed accuracy  $\leq \pm 0.2\%$ , one channel flow range 0.0001 ~ 480ml/min. Through Lead Fluid APP software, the pump can be controlled remotely and running status can be monitored in real time. RS485 communication, MODBUS protocol is available, can be connected to upper computers such as computers, single-chip microcomputers, PLCs, frequency converters, and human-machine interfaces through a variety of signal modes to achieve systematic centralized control.

### Features

- LF-LED-OS software system, high definition lattice LCD display, switching between Chinese-English, parameter setting simply, intuitive state display.
- Industrial mask keypad operation, simple and convenient, high durability.
- High quality closed-loop stepper motor drive, speed precision, running stability, high-precision flow transmission.
- Start/Stop, adjust speed, reversible direction, full speed and, state memory (power-down memory).
- Can set the parameters of running time, interval time and cycle times 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.
- Keypad locked function to prevent misoperation.
- Streamline injection molding shell design, simple, beautiful and easy to clean.
- The circuit board with conformal coating makes it dust-proof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for complex power environment.
- External analog adjust speed, external control start-stop, reversible direction, external control signal physical isolation.
- RS485 communication interface, Modbus protocol is available, support setting communication parameters, easy to connect with various control devices.
- Can match various high performance pump head, realize different pump head and drive combination.
- The remote start-stop, adjust speed and timing operation can be realized through LeadFluid APP software. It also has monitoring functions such as stop alarm, change of pump tube (optional).
- Support blocking turn alarm, leakage alarm (optional).
- Thermal printer can be connected, real-time printing operation parameters (optional).

