

P Peristaltic Pumps

Model: BT1001L, Flow Rate Peristaltic Pump, 0.05 to 500 mL/min

The max. output torque of BT1001L drive is 2 Nm. Multi pump heads are available. The pump provides flow rates from 0.05 to 500 mL/min. 128x64 graphic LCD displays running menus and parameter setting menus. The flow rate & the speed (rpm) can be displayed in the same screen. The display interface is friendly. It has flow rate calibration function to make the flow rate more accurate. It has many control modes. The external control can be realized through standard external interface or RS485 communication interface.



Functions and Features

- Display can switch between flow rates and rpm
- Calibration capability for more accurate flow rate
- Graphic LCD together with rotary coded switch makes it friendly and easy to use
- Higher torque to accept more pump heads and more channels
- RS485 communication interface available. Offering communication protocol to customer and customizing software according to customer's requirements.

Specifications:

Speed: 1.0 to 100.0 rpm, reversible Speed precision: 0.1 rpm
 Speed control: Rotary coded switch coupled with membrane keypad
 Display: 128 x 64 graphic LCD displays current running status
 Analog interface: Start/stop and cw/ccw control, 0 to 5 V, 0 to 10 V, and 4 to 20 mA speed control
 Communication interface: RS485
 Power supply: AC 220V ± 10% 50/60 Hz (standard)
 AC 110V + 10% 50/60 Hz (optional)
 Power consumption: <50W
 Operating condition: Temp. 0 to 40°C Relative humidity < 80%
 Dimensions (L x W x H): 202 x 160 x 239 (mm)
 Drive weight: 5.34 kg IP rating: IP 31

Model: LEAD1, Basic Peristaltic Pump, 0.001 to 300 mL/min

Acceptable pump heads for Lead1 are 24, 28, 48 and max. 4 channels are available. The pump provides flow rates from 0.001 to 300 mL/min for one channel. The motor of the drive is step motor. It adopts microprocessor controlled stepper motor and microstepping electrical circuit to make the running smoother and noise smaller. There are start/stop, speed control and direction membrane keypads on the front panel.



Functions and Features

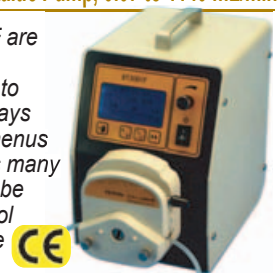
- Accept three special pump heads: 28, 48 and 24
- Planetary gearbox is adopted in its pump heads. This changes the traditional driving methods of tubing pumps, decreases abrasion, prolongs tubing life and improves accuracy.
- 28 & 48 pump heads are equipped with comb-shaped tube-holder. Suitable for small flow rates and multi-channel fluid transfer.
- 24 pump head is equipped with V-shaped tube-holder and accept bigger size tubing.
- Equipped with overflow device to prevent overflow fluids from damaging the inner parts.
- Prime key for fast filling and emptying

Specifications:

Speed: 0 to 100 rpm, reversible Speed precision: 0.1 rpm
 Speed control: Membrane keypad
 Display: LCD displays current running status
 Analog interface: Start/stop and cw/ccw control and speed control (0 - 5V, 0 - 10 V, 4 to 20mA)
 Power supply: AC 220 V ± 10% 50/60 Hz (standard)
 AC 110 V ± 10% 50/60 Hz (optional)
 Power consumption: < 30 W
 Operating condition: Temp. 0 to 40°C Relative humidity < 80%
 Dimensions: 176x150x278(mm) IP rating: IP 31

Model: BT3001F, Dispensing Peristaltic Pump, 0.07 to 1140 mL/min

The applicable pump treats for BT3001F are YZ1515x YZ2515x YZ1115 YZ1125 The pump delivers Flow rates from 0.07 to 1140 ml/min 128 x 64 graphic LCD displays running menus and parameter Setting menus The display interfaces are friendly. It has many control modes. The external control can be realized through standard external control interface or 485 communication interface



Functions and Features

- Applicable pump heads YZ1515x YZ2515x, YZ1115, YZ1125
- Set pause time to realize dispensing and filling automatically
- Display can switch between flow rates and rpm
- Calibrate setting flow rates to acquire more accurate flow rates
- RS485 communication interface available. Offering communication protocol to customer and customizing software according to customer's requirements.

Specifications:

Speed: 1.0 to 300.0 rpm, reversible Speed precision: 1 rpm
 Speed control: Rotary coded switch coupled with membrane keypad
 Display: 128 x 64 graphic LCD displays flow rate speed or dispensing
 Copy number 1 to 999
 Dispense volume 0.1 ml to 99.9L
 Pause time 1 to 999s
 Back suction angle 0 to 360 18° increments
 Analog Interface Start-stop and cw/ccw control, 0 to 5 V, 0 to 10 V, and 4 to 20 mA speed control
 Communication interface: RS485
 Power supply: AC 220V ± 10% 50/60 Hz (standard)
 AC 110V + 10% 50/60 Hz (optional)
 Power consumption: <50W
 Operating condition: Temp. 0 to 40°C Relative humidity < 80%
 Dimensions (L x W x H): 202 x 160 x 239 (mm)
 Drive weight: 4.3 kg IP rating: IP 31

Model: LEAD2, Flow Rate Peristaltic Pump, 0.01 to 350 mL/min

The applicable pump heads for Lead2 are Lead1 5-48, Lead1 5-88, Lead1 5-24, Lead15-44 and max. 8 channels are available. The pump delivers flow rates from 0.01 to 350 mL/min. It has flow rates display and flow rates calibration functions. It also has functions of speed adjustment, start/stop, cw/ccw, prime (rinsing), tubing selection, 485 communication, analog control, etc.



Functions and Features

- Accept 4 special pump heads.
- Planetary gearbox is adopted in its pump heads. This changes the traditional driving methods of tubing pumps, decreases abrasion, prolongs tubing life and improves accuracy.
- Display can switch between flow rates and speed.
- Calibration function for more accurate flow rates
- Computer control available through RS485 communication
- Prime key for fast filling and emptying

Specifications:

Speed: 1.0 to 100.0 rpm, reversible Speed precision: 0.1 rpm
 Speed control: Rotary coded switch coupled with membrane keypad
 Display: 128x32 graphic LCD displays current running status
 Analog interface: Start/stop and cw/ccw control, 0 to 5V, 0 to 10V, and 4 to 20mA speed Control
 Communication: RS485
 Power supply: AC 220V ±10% 50/60 Hz (standard)
 AC 110 V ± 10% 50/60 Hz (optional)
 Power consumption: < SOW
 Operating condition: Temp. 0 to 40°C Relative humidity < 80%
 Dimensions (LxWxH): 190x162x275(mm)
 Drive weight: 3.5 kg IP rating: IP 31