

Basic Peristaltic Pump

BT501J

Acceptable pump heads are JY10 and DG1x. The pump provides flow rates from 0.005 to 10 mL/min. It can realize speed adjusting and direction changing and has functions of prime and external start/stop. It features compact size and easy to operate.

Flow Rates



Micro Flow Rates



Applicable Pump Heads



DG1x



JY10



A Pull the lever clockwise to open the compression block



B Put the tubing with tubing stops between the rollers and compression block. Adjusting the tubing stops to make them in the tubing retainers



C Close the compression block and pull the lever counter clockwise to lock the compression block

Functions and Features

Applicable pump heads: JY10 and DG1x (10 rollers)

Prime key for fast filling and emptying

Speed, start / stop and direction can be controlled through membrane keypad or through external control interface

Memory function, storing the running parameters automatically

Compact size, light weight and low power consumption

Membrane keypad, easy to operate

Good performance and low price

At normal lab conditions

Specifications

Speed: 0.1 to 50.0 rpm, reversible

Speed precision: 0.1 rpm

Speed control: Membrane keypad

Display: 3-digit LED displays current rpm

Analog interface: Start/stop and cw/ccw control

Power supply:

AC 220 V \pm 10% 50/60 Hz (standard)

AC 110 V \pm 10% 50/60 Hz (optional)

Power consumption: < 10 W

Operating condition: Temperature 0 to 40°C,

Relative humidity < 80%

Dimensions (L \times W \times H):

176 \times 110 \times 115 (mm)

Drive weight: 2.2 kg

IP rating: IP 31



Drive	Pump head	Flow rates (mL/min)	Tubing	Weight (kg)
BT501J	JY10	0.05 - 10	0.5 × 0.8 1 × 1	2.4
	DG1×(10 Rollers)	0.005 - 10	2 × 1 2.4 × 0.8	