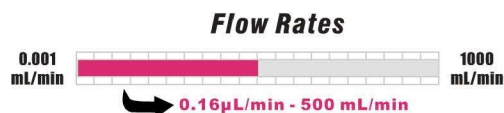


# Dispensing Peristaltic Pump

## BT100-1F

Applicable pump heads for BT100-1F are YZ1515x, YZ2515x, YZII15, YZII25 and DG-1, DG-2, DG-4. The pump delivers flow rates from 0.02  $\mu\text{L}$  to 480 mL/min and dispensing volume is from 0.01 mL to 9900 mL. Combining 128\*32 LCD display with membrane keypad and rotary coded switch makes the operation easy and prompt. The speed can be adjusted manually or automatically through external control interface.



## Flow Rate Dispensing



Coming Soon

### Applicable Pump Heads



YZ1515x  
YZ2515x



DG-4



YZII15  
YZII25



DG-1  
DG-2

### Specifications

- Flow rates: 0.16  $\mu\text{L}/\text{min}$  to 500 mL / min
- Dispensing volume: 0.01 mL to 9.99 L
- Speed: 0.01 rpm to 100.0 rpm
- Copy number: 0 to 9999
- Pause time : 0.1 s to 99.90 min
- Back suction time : 0 to 99.9 s
- External control input interface: start/stop control, direction control, flow rates control(0 - 5V , 0 - 10V , 4 - 20 mA , 0 - 10KHz optional )
- Output interface: start/stop, direction output and 0 - 10 KHz frequency output (corresponding to 0 to 100.0 rpm) with insulating function
- Communication: RS 485
- Power: AC 100 - 240 V  $\pm$  10% 50/60 Hz
- Power consumption: < 40 W
- Operating condition: Temperature 0 to 40°C  
Relative humidity < 80%
- Dimensions (L  $\times$  W  $\times$  H):  
292  $\times$  185  $\times$  180 (mm)
- Drive Weight: 3.8 kg
- IP rating: IP 31

### Functions and Features

- Acceptable pump heads: YZ1515x, YZ2515x, YZII15, YZII25 and DG-1, DG-2, DG-4
- Micro flow rates transferring: The smallest flow rate can reach 0.16  $\mu\text{L}/\text{min}$
- Back suction function: In dispensing mode, the pump runs reversely after stopping to prevent the liquid from dripping
- Operating mode: Membrane keypad and rotary coded switch
- Speed control: The speed can be adjusted manually or automatically through external control interface
- Display: LCD displays current running status
- MAX key: For fast filling and emptying
- Memory function: Storing the running parameters automatically
- Calibration function: The flow rates and the dispensing volume can be calibrated to increase the accuracy
- Communication function: Realize computer control through RS485 communication interface



Drive	Part Number	Pump head	Tubing	Flow Rate (* /min)	Weight (kg)
BT100-1F	5225001	YZ1515x, YZ II 15	13" 14" 19" 16" 25" 17" 18"	7 $\mu\text{L}$ - 380 mL	4.2
		YZ2515x, YZ II 25	15" 24" 35" 36"	0.17 mL - 500 mL	4.2
		DG-1, DG-2, DG-4 (6rollers, 10rollers)	0.5 $\times$ 0.8 1 $\times$ 1 2 $\times$ 1 2.4 $\times$ 0.8 (I.D. $\times$ Wall thickness)	0.16 $\mu\text{L}$ - 26 mL (single channel)	
			0.13 $\times$ 0.91 0.25 $\times$ 0.91 0.51 $\times$ 0.91 (I.D. $\times$ Wall thickness)	0.16 $\mu\text{L}$ - 44 mL (single channel)	4.0 - 4.2
			1.02 $\times$ 0.86 1.65 $\times$ 0.86 2.79 $\times$ 0.86 3.17 $\times$ 0.86 (I.D. $\times$ Wall thickness)		