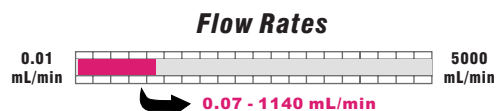


# Dispensing Peristaltic Pump

## BT300-1F

Applicable pump heads for BT300-1F 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 parameters setting menus. The display interfaces are friendly. It has many control modes. The external control can be realized through standard external control interface or RS485 communication interface.



### Applicable Pump Heads



YZ1515x  
YZ2515x



YZ1115  
YZ1125

## Specifications

- Speed:** 1 to 300 rpm, reversible
- Speed precision:** 1 rpm
- Speed control:** Rotary encoded switch coupled with membrane keypad
- Display:** 128×64 graphic LCD displays flow rates, speed or dispensing mode
- Copy number:** 1 to 999
- Dispense volume:** 0.1 mL to 99.9 L
- Pause time:** 1 to 999 s
- Back suction angle:** 0 to 360 18° increments
- External control:** 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 220 V ± 10% 50/60 Hz (standard)  
AC 110 V ± 10% 50/60 Hz (optional)
- Power consumption:** < 50 W
- Operating condition:** Temperature 0 to 40 °C  
Relative humidity < 80%
- Dimensions (L × W × H):** 202×160×239 (mm)
- Drive weight:** 4.3 kg
- IP rating:** IP 31

## Functions and Features

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



Drive	Part Number	Pump Head	Tubing	Flow Rates (mL/min)	Weight (kg)
BT300 - 1F	0502322	YZ1515x YZ1115	13# 14# 19# 16# 25# 17# 18#	0.07 - 1140	4.7
	0502325	YZ2515x YZ1125	15# 24#	1.7 - 870	4.7