

# Dispensing Peristaltic Pump

## BT300-1F



Mainly used in  
laboratorial applications.

### Pump Head Options



YZ1515x  
YZ2515x



YZII15  
YZII25



DMD15-13-B  
DMD15-13-D



DG15-24

|                         |                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------|
| Speed                   | 1rpm-300rpm, CW/CCW.                                                                             |
| Speed resolution        | 1rpm                                                                                             |
| Control mode            | Control panel, external signal control and communication control are available.                  |
| Display                 | LCD for running status                                                                           |
| Work mode               | Flowrate mode and dispensing mode                                                                |
| Flowrate calibration    | Improve flow rate accuracy                                                                       |
| Dispensing volume       | 0.1mL-99.9L                                                                                      |
| Dispensing calibration  | Calibrate dispensing volume to improve accuracy                                                  |
| Copy number             | 1 to 999, "0" means unlimited cycle.                                                             |
| Pause time              | 1s to 999s, resolution is 1s.                                                                    |
| Back suction angle      | 0-360°, resolution is 18°.                                                                       |
| External control        | Start/stop, direction and speed control (4-20mA, 0-5V, 0-10V, external control module optional). |
| Speed output            | 0-5V corresponding to 1-300rpm                                                                   |
| Start/stop output       | OC gate signal                                                                                   |
| Direction output        | OC gate signal                                                                                   |
| Communication interface | RS485                                                                                            |
| Power-off memory        | Return to previous status when powered on                                                        |
| Prime                   | For fast filling and emptying at full speed                                                      |
| Dimension (L×W×H)       | 202×160×239 (mm)                                                                                 |
| Power supply            | AC 220V±10%/50W or AC 110V±10%/50W                                                               |
| Operating temperature   | 0 to 40°C                                                                                        |
| Relative humidity       | < 80%                                                                                            |
| IP rating               | IP31                                                                                             |
| Weight                  | 4.3kg                                                                                            |



| Model<br>(Product code, Power supply, Language) | Pump Head              | Tubing                      | Max. Flow Rate(mL/min) | Weight(kg) |
|-------------------------------------------------|------------------------|-----------------------------|------------------------|------------|
| BT300-1F-A(05.02.32A, AC220V, Chinese)          | YZ1515x, YZII15        | 13" 14" 19" 16" 25" 17" 18" | 1140                   | 4.7        |
| BT300-1F-B(05.02.32B, AC110V, Chinese)          | YZ2515x                | 15" 24"                     | 840                    |            |
| BT300-1F-C(05.02.32C, AC220V, English)          | YZII25                 | 15" 24" 35" 36"             | 1500                   |            |
| BT300-1F-D(05.02.32D, AC110V, English)          | DMD15-13-B, DMD15-13-D | 13" 14" 19" 16" 25"         | 1040                   | 4.7        |
|                                                 | DG15-24                | 16" 25" 17"                 | 900 (Single Channel)   | 5.1        |