09

Standard Peristaltic Pump

L100-1S-2



Speed 0rpm-100rpm, CW/CCW.

Speed resolution 0.01rpm resolution within the speed of 0-10rpm

0.1rpm resolution within the speed of 10rpm-100rpm

Display Control mode

Keypad control, external signal control and communication control.

Work mode Speed control mode and flow rate mode

Flow rate mode Flow rate is displayed and the pump runs continuously at the set flow rate

Flow rate calibration Improve the flow rate accuracy

Flow rate setting range 0.01µL/min-999L/min, unit could be set as µL/min, mL/min or L/min. External control Start/stop control (switch signal), direction control (switch signal), speed

control (0-5V, 0-10V, 4-20mA, 0-10kHz are optional with uniform interface, from 0-10rpm in 0.01rpm resolution, from 10-100rpm in 0.1rpm resolution) RS485 interface, Longer protocol or Modbus protocol, the communication

Communication control parameters (address, baud rate, parity, stop bit) can be set through keypad. Set the running time (0-30min), the pump could run/stop automatically. Timing function

Operating parameters will be saved automatically Parameter memory

Status when powered up The pump status when powered up could be set as stop or as the status before power loss

Fast filling or emptying at full speed

Keypad can be locked to prevent the misoperation. The delay time before Keypad lock function

lock is settable. 232×142×149(mm)

Dimension(L \times W \times H) AC100V-240V/20W, 50/60Hz. Power supply

0 to 40°C Operating temperature <80% Relative humidity IP31 IP rating Weight 2.38ka



Mainly designed for Laboratory and light industry applications.

With precise speed control in 0.01rpm resolution (10000:1 turndown ratio), and flow rate calibration function, the pump has more accurate and wider range of flow rate. With the intelligent fan control, the pump has lower noise and better energy efficiency. LCD with specially designed run screen displays parameters and running status. which provides enough information for correct operation.

Pump Head Options





YZ1515x, YZ2515x

YZII15、YZII25





BZ15、BZ25 DMD15-13-B、DMD15-13-D





FG15-13、FG25-13

DG15-24、DG15-28



DG-1、DG-2、DG-4、DG-6、DG-8



| Model (Product code) | Pump head | Tubing | Flow Rate Reference (µL/min - 380mL/min) | Weight (kg) |
|--------------------------|-------------------------|--|---|-------------|
| L100-1S-2 (05.02.42A) | YZ1515x, YZII15 | 13* 14* 19* 16* 25* 17* 18* | 0.6 - 380 | 2.78 |
| | YZ2515x | 15# 24# | 16 - 270 | |
| | YZII25 | 15* 24* 35* 36* | 16 - 500 | |
| | FG15-13 | 13* 14* 19* 16* 25* 17* 18* | 0.5 - 430 | 2.66 |
| | FG25-13 | 15# 24# | 22 - 320 | |
| | DMD15-13-B、DMD15-13-D | $2 \times 13^{\#} \ 2 \times 14^{\#} \ 2 \times 19^{\#} \ 2 \times 16^{\#} \ 2 \times 25^{\#}$ | 2 - 375 | 2.81 |
| | BZ15-13-A | 14* | 3 - 22 | 2.69 |
| | BZ15-13-B | 16* | 8 - 80 | |
| | BZ15-13-C | 25# | 16 - 150 | |
| | BZ15-13-D | 17# | 27 - 270 | |
| | BZ25-13-B | 24# | 27 - 250 | |
| | DG15-24 | 16# 25# 17# | 8 - 300(Single Channel) | 3.2 |
| | DG15-28 | 13* 14* ID≤3.17mm Wall Thickness 0.8-1mm | 0.31 - 75(Single Channel) | 3.05 |
| | DG-(1,2,4,6,8)6 Rollers | I D≤3.17mm Wall Thickness 0.8-1mm | 0.21 - 48(Single Channel) | 2.58-3.01 |
| | DG-(1,2,4)10 Rollers | | 0.15 - 32(Single Channel) | |