

## Dispensing Peristaltic Pump

LabF1, LabF3, LabF6



- | LabF1, LabF3, LabF6
- | Medicine and chemical dispensing, such as oral liquid, diagnostic reagents.
- | Cosmetic dispensing, such as perfume, lip gloss.



- ① Filling Countersunk
- ② Filling Nozzle
- ③ Foot Pedal Switch

### Suitable Pump Head



### Features

- | Imported 4.3" industrial grade color LCD screen display, with touch screen control.
- | Can preset dispensing volume, dispensing time, pause time and copy numbers.
- | With intelligent calibration function and online micro adjusting function.
- | The pump can store 60 commonly used filling modes.
- | Back suction angle setting, avoid liquid drop off when the pump stops working.
- | New flow rate mode, can be used for continuous transferring.
- | Can communicate with balance, closed-loop control.

## Dispensing Peristaltic Pump

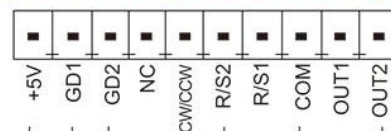
F1, F3, F6



### Model Number

- | F1, F3, F6

### External Control Schematic Diagram

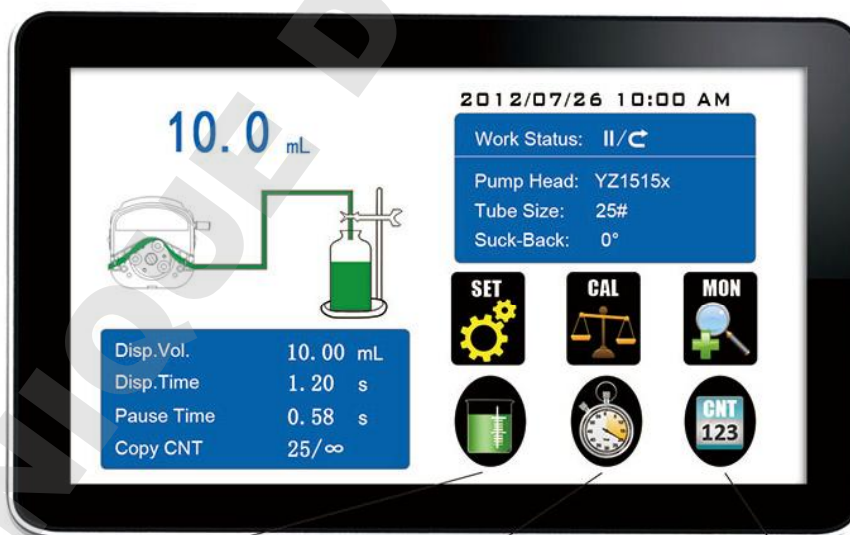


### Technical Specifications

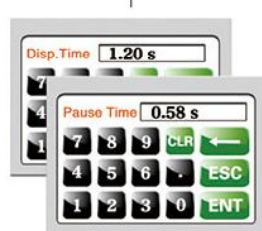
|                              |   |                                 |  |
|------------------------------|---|---------------------------------|--|
| Flow rate range              | LabF1/F1: 0.00166~570mL/min<br>LabF3/F3: 0.00166~1330mL/min<br>LabF6/F6: 0.00166~2280mL/min | Keypad lifetime                 | 300,000 times  |
| Speed range                  | 1-600 rpm   | Start/stop,<br>direction signal | Passive switch signal, such as foot pedal switch<br>Active switch signal: 5V, 12V and 24V for option |
| Speed resolution             | 0.01 rpm  | Output interface                | Output motor working status (Open-Collector output)  |
| Dispensing volume range      | 0.1-9999.99 mL  | Power supply                    | AC 220V±10% 50Hz/60Hz (Standard)<br>AC 110V±10% 50Hz/60Hz (Optional)                                 |
| Dispensing volume resolution | 0.01 mL   | Outlet pressure                 | 0.1Mpa(0.86~1.0mm wall thickness tubing)<br>0.1~0.27Mpa(1.6~2.4mm wall thickness tubing)             |
| Dispensing time              | 0.5-9999.99 s   | Drive dimension<br>(L×W×H)      | LabF Series: 261.4×157.3×236.9 mm<br>F Series: 219.6×152×211.6mm                                     |
| Pause time                   | 0.5-9999.99 s   | Drive weight                    | LabF Series: 4.40 kg<br>F Series: 4.20 kg  |
| Time resolution              | 0.01 s  | Power consumption               | < 50W  |
| Copy numbers                 | 1-9999 numbers, setting '0' means unlimited   | Condition temperature           | 0-40°C   |
| Back suction angle           | 0-360°  | Relative humidity               | < 80%  |
| Dispensing accuracy          | <±0.5%  | IP rate                         | IP31   |
| Motor type                   | Stepper motor   |                                 |  |
| Display                      | Industrial grade 4.3" color LCD display   |                                 |  |
| Control method               | Touch screen and Mechanical keypad  |                                 |  |

### Product Composition and Flow Rate Range

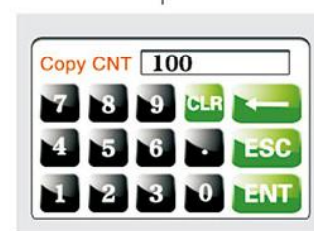
| Dispensing Peristaltic Pump | Pump Head & Flow Rates (mL/min)     |           |   |   |
|-----------------------------|-------------------------------------|-----------|---|---|
|                             | YZ1515x                             | YZ2515x   | MC1~MC12(10)  | MC1~MC12(6)                                 |
| Drive & speed               | 13', 14', 19', 16'<br>25', 17', 18' | 15', 24'  | Inner diameter: 0.13-3.17mm<br>Wall thickness: 0.86-1mm |   |
| LabF1/F1                    | 1-150rpm                            | 0.07~570  | 1.7~435   | 0.00166-49(suggestion working speed≤150rpm) |
| LabF3/F3                    | 1-350rpm                            | 0.07~1330 | 1.7~1015  | 0.00185-65(suggestion working speed≤150rpm) |
| LabF6/F6                    | 1-600rpm                            | 0.07~2280 | 1.7~1740  |   |



Dispensing volume interface



Dispensing time and pause time interface



Copy numbers interface