

## Basic Peristaltic Pump

3 years warranty

M6-12L

M6-6L

M6-3L



### Features

- Servo motor drive, powerful and maintenance-free.
- 3 digital LED display motor speed, rotary encoded switch control.
- Suitable for industrial sites, transfer liquid with large flow and high precision.

### Model Number

- M6-3L/DZ25-3L
- M6-6L/DZ25-6L
- M6-12L/YZ35

### Technical Specifications

|                               |                                                                                |                              |                                                                                                    |
|-------------------------------|--------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------|
| Flow rate range               | M6-3L: 0.211~3600 mL/min<br>M6-6L: 0.3~6000 mL/min<br>M6-12L: 0.00069~12 L/min | Start/stop, direction signal | Passive switch signal, such as foot pedal<br>Active switch signal: 24V default                     |
| Speed resolution              | 0.1-600 rpm                                                                    | Communication interface      | RS232(standard), Shencheng-N232 Communication protocol; RS485(optional), Modbus protocol(RTU mode) |
| Speed range                   | 0-100rpm, 0.1rpm;<br>100-600rpm, 1rpm.                                         | Power supply                 | AC 220V±10% 50Hz/60Hz (standard)<br>AC 110V±10% 50Hz/60Hz (optional)                               |
| Flow rate accuracy            | <±0.5%                                                                         | Drive dimension (L×W×H)      | M6-3L: 223×152×199mm<br>M6-6L: 283×192×274mm<br>M6-12L: 302×222×331mm                              |
| Motor type                    | Servo motor                                                                    | Drive weight                 | M6-3L: 5.02kg; M6-6L: 7.85kg<br>M6-12L: 13.14kg                                                    |
| Display                       | 3 digital LED                                                                  | Power consumption            | M6-3L: <80W; M6-6L: <180W<br>M6-12L: <300W                                                         |
| Control method                | Mechanical keypad                                                              | Condition temperature        | 0-40°C                                                                                             |
| Keypad lifetime               | 300,000 times                                                                  | Relative humidity            | <80%                                                                                               |
| Speed control                 | Rotary encoded switch                                                          |                              |                                                                                                    |
| External speed control signal | 0-5V(standard),<br>0-10V, 4-20mA(optional)                                     |                              |                                                                                                    |
| IP rate                       | IP31                                                                           |                              |                                                                                                    |

### Product Composition and Flow Rate Range

| Drive  | Motor Type  | Pump Head | Tubing Size        | Speed Range(rpm) | Flow Rate(mL/min) |
|--------|-------------|-----------|--------------------|------------------|-------------------|
| M6-3L  | Servo Motor | DZ25-3L   | 15", 24", 35", 36" | 0.1-600          | 0.211~3600        |
| M6-6L  |             | DZ25-6L   | 15", 24", 35", 36" |                  | 0.3~6000          |
| M6-12L |             | YZ35      | 26", 73", 82"      |                  | 0.69~12000        |

