

Flow Rates Peristaltic Pump

Model No. : LabN3-III

Flow Rate : 0.0053-1808mL/min



Single Channel



Dual Channel

Product Features

3.2" color LCD screen display.

Flow rate and motor speed display in same screen.

Timing function, time range 0.1s-9999 hours, can be used for simple dispensing function.

Screen Display





Pump Head



EasyPump Series (Pressure Adjustable)



EasyPump Series (Fixed Pressure)



EasyPump-PPS Series (Pressure Adjustable)



EasyPump-PPS Series (Fixed Pressure)

Pump Head & Flow Rate

| Pump Head | Single/Dual Channel | Tubing Wall Thickness(mm) | Pressure Adjustable |
|-------------|---------------------|---------------------------|---------------------|
| EasyPump I | Single Channel | 1.6 | No |
| EasyPump II | Single Channel | 2.4 | No |
| EasyPump V | Dual Channel | 1.6 | No |

| Pump Head | Single/Dual Channel | Tubing Wall Thickness(mm) | Pressure Adjustable |
|--------------|---------------------|---------------------------|---------------------|
| EasyPump III | Single Channel | 1.6 | Adjustable |
| EasyPump IV | Single Channel | 2.4 | Adjustable |
| EasyPump VI | Dual Channel | 1.6 | Adjustable |



| Pump Head | Tubing | ID×Wall thickness(mm) | mL / r | Flow Rate(mL/min) (LabN3-III, 0.1-350rpm) | Tubing Max.Pressure(Mpa) | | Weight(kg) |
|----------------------------------|--------|-----------------------|--------|--|--------------------------|------------|------------|
| | | | | | Intermittent | Continuous | |
| Single Channel EasyPump I/III | 13# | 0.8×1.6 | 0.053 | 0.0053~19 | 0.27 | 0.17 | 0.6 |
| | 14# | 1.6×1.6 | 0.27 | 0.027~95 | | | |
| | 19# | 2.4×1.6 | 0.55 | 0.055~193 | | | |
| | 16# | 3.1×1.6 | 0.933 | 0.093~327 | 0.24 | 0.14 | |
| | 25# | 4.8×1.6 | 1.967 | 0.197~688 | | | |
| | 17# | 6.4×1.6 | 3.333 | 0.333~1167 | 0.14 | 0.10 | |
| | 18# | 7.9×1.6 | 4.3 | 0.430~1505 | 0.10 | 0.07 | |
| Single Channel EasyPump II/IV | 15# | 4.8×2.4 | 1.8 | 0.180~630 | 0.27 | 0.17 | |
| | 24# | 6.4×2.4 | 2.733 | 0.273~957 | 0.24 | 0.14 | |
| | 35# | 7.9×2.4 | 3.833 | 0.383~1342 | | | |
| | 36# | 9.6×2.4 | 5.167 | 0.517~1808 | | | |
| Dual Channel EasyPump V/VI | 13# | 0.8×1.6 | 0.0053 | 0.0053~19 | 0.27 | 0.17 | |
| | 14# | 1.6×1.6 | 0.27 | 0.027~95 | | | |
| | 19# | 2.4×1.6 | 0.55 | 0.055~193 | | | |
| | 16# | 3.1×1.6 | 0.933 | 0.093~327 | | | |
| | 25# | 4.8×1.6 | 1.967 | 0.197~688 | 0.24 | 0.14 | |



Technical Specifications

| | | | |
|-------------------------------|---|-------------------------|---|
| Flow rate range | 0.0053~1808 mL/min | Communication interface | RS232, RS485 support MODBUS protocol (RTU mode) |
| Speed range | 0.1-350rpm | | |
| Speed resolution | 0.1rpm | Output interface | Output motor working status (Open-Collector output) |
| Back suction angle | 0-360° | | |
| Testing time range | 0.1 s-9999 h | Power supply | AC 220V±10% 50Hz/60Hz (standard) |
| Motor type | Closed-loop stepper motor | | AC 110V±10% 50Hz/60Hz (optional) |
| Display | 3.2" high definition LCD screen | Drive dimension (L×W×H) | 259×157×237 mm |
| Control method | Digital knob and Mechanical keypad | | |
| Keypad lifetime | 300,000 times | Drive weight | 4.40 kg |
| External speed control signal | 0-5V, 0-10V, 4-20mA for option | Power consumption | <80W |
| Start/stop, reversing signal | Passive switch signal, such as foot pedal; Active switch signal: 5V-24V universal | Condition temperature | 0-40°C |
| | | Relative humidity | <80% |

Dimension Drawing (Unit:mm)

