

# Industrial Intelligent Dispensing Hose Peristaltic Pump MP600F



Quick Tube Change



Stainless Steel Rotors



Moderate Pulsation

## Features & Technical Specification:

4.3 inch color high definition wide angle IPS capacitive LCD screen, visual.

- Touch screen cooperates with keypads operation, bring good user experience.
- External control signal supports 5-24v wide voltage input.
- Start/stop, reversible direction, full speed, suction function, timed start-stop.
- LF-Touch-OS software system, efficient and stable, with good human-computer interaction mode, convenient product customization and upgrade.
- Working modes: flow rate, time dispensing, volume dispensing, programming dispensing (cycle).
- Accurate flow control and display, microstep algorithm to ensure the dispensing accuracy of different settings.
- Wizard flow calibration function, easy to use.
- Graphical pump head and tube selection, intuitive and clear.
- Flow mode supports delayed start and timed stop.
- Unique back suction function to prevent liquid drips.
- Five sets of dispensing parameters for volume and time dispensing pre-storage.
- Programming mode supports 30 different quantitative parameter settings for complex control processes.
- Intelligent temperature control function, automatically adjusting the heat according to the environment, so that the device is always in the best state.
- External analog adjust speed, external control start-stop, reversible direction, dispensing, external signal physical isolation.
- RS485 communication interface, MODBUS protocol is available, can set up communication parameters, convenient to connect various of control equipments.
- Open multiple control parameters, suitable for OEM custom applications.
- The circuit board is sprayed with three anti-paint technology to achieve the effect of dustproof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- Innovative stainless steel housing, easy to clean, effectively prevent the erosion of various organic solvents.

# Technical Specification:

Flow range: 0.0013~13.2L/min

Speed range: 0.1~600.0rpm

Speed resolution: 0.1rpm

Dispensing volume: 0.001 $\mu$ L~999.0L(It is recommended to have a minimum fill of 100mL)

Dispensing time: 1 ~ 999 , "0" Infinite cycle

Dispensing interval time: 0.1 ~ 999.9 S/Min/H, time unit adjustable

Speed accuracy:  $\leq \pm 0.2\%$

External control signal input: (1) Start/Stop: passive contact, external control input level (5~24V)

(2) Forward/Reverse: passive contact, external control input level (5~24V)

(3) Speed Regulation: analog 0~5V, 0~10V, 4~20mA can be set

External control signal output: (1) Start/Stop: Level Signal (following input voltage)

(2) Forward/Reverse: Level Signal (following input voltage)

(3) Speed Status: Analogue 0~5V

Communication interface: RS485, MODBUS protocol is available, DB15 external control interface, WiFi function(optional)

Power supply: AC100-240V 50/60Hz

Power consumption: <400W

Working environment: Temperature 0 ~ 40°C, relative humidity < 80%

IP grade: IP31

Dimension(L×W×H): 333×233×269mm

Weight: 10.2kg

## MP600F Suitable Pump Head and Tubing, Flow parameters

Drive type	Pump head	Channel	Tube	Single channel flow rate(L/min)
MP600F	PH-35	1.2	73#82#	0.0013~13.2

Above flow parameters are obtained by using silicone tube to transfer pure water under normal temperature and pressure, in actually it is effected by specific factors such as pressure, medium, etc. Above for reference only.

## Dimension(mm)

