

MICROLIT MP600F CLEVER FLOW PERISTALTIC PUMP

Features & Technical Specification:

- Color LCD display, touch screen and button operation, easy to operate.
- Four working mode: flow rate mode, volume dispensing, time dispensing, copy dispensing, suitable for different working requirements.
- Each dispensing mode can store five groups of working parameters. Simply select when using.
- Start/stop, reversible direction, full speed, adjust speed, state memory(power-down memory).
- Display and control flow rate, accumulate dispensing volume automatically.
- Speed resolution 0.1rpm.
- Brushless servo motor drive, large torque, high efficiency, and maintenance free.
- Wizard flow calibrating function.
- Infrared remote control function (optional)
- Peristaltic pump expert system, wizard prompt operation, more convenient
- Intelligent temperature-control cooling fan reduces working noise.
- External control controls the start/stop, reversible direction and dispensing function, optically coupled isolator, external analog adjusts the rotate speed.
- RS485 communication interface, MODBUS protocol is available, easy to connect other equipments.
- The circuit board is sprayed with three anti paint processes to achieve dustproof and moisture-proof effects.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- 304 stainless steel shell, easy to clean, corrosion resistant.
- Large torque output, cascading multiple pump heads, realize the combination of different pump heads and drivers.
- Connect foot switch control start-stop for dispensing fluid.
- A stainless steel peristaltic pump body is better for durability, hygiene, high temperature, and chemical resistance. ABS is suitable for light-duty, cost-sensitive applications.

Feature	Stainless Steel	ABS Plastic
Strength	☆☆☆☆☆	☆☆☆
Heat Resistance	☆☆☆☆☆	☆☆
Chemical Resistance	☆☆☆☆☆	☆☆☆
Hygiene	☆☆☆☆☆	☆☆
Cost	Higher	Lower



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Features & Technical Specification:

Flow Range: 0.005~6600mL/min

Speed Range: 0.1~600rpm

Speed resolution: 0.1rpm

Dispensing volume: 0.001μL~9999L (It is recommended to have a minimum fill of 50μL).

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

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

Speed accuracy: <±0.2%

Power supply: AC100~240V, 50Hz/60Hz

Power consumption: <150W

External control: External control input level 5V, 12V(Standard), 24V (Optional).

External control analog 0-5V(Standard), 0-10V, 4-20mA (Optional)

Communication interface: RS485 communication interface, Modbus protocol is available,

DB15 external control interface

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

IP grade: IP33

Dimension(L×W×H): 286mm×180mm×230mm

Weight: 5.5k

Applicable Pump Head

Drive type	Suitable pump heads	Channel	Tubing size (mm)	Flow rate (mL/min) per channel
MP600F	PH-15T	1,2	13#14#19#16#25#17#18#	0.005~2562
	PH-25	1,2	114#116#15#24#35#36#	0.024~3000
	PH-25-K	1,2	15#24#35#36#	0.31~6600
	PH-25-L	1	15#24#35#36#	0.31~6600

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.

4-Channel configuration via stacked heads are suggested. It is EN-809 compliant proof.

Above for reference only.

[For more information please email us at info@microlit.com](mailto:info@microlit.com)