

# Intelligent Dispensing Peristaltic Pump | I-Series

## MP100I | MP300I | MP600I (304 Stainless Steel Housing)

Intelligent Dispensing Peristaltic Pump is a state-of-the-art liquid handling instrument engineered to offer unparalleled control, accuracy and user experience. At its core is a vibrant 4.3" color touchscreen interface coupled with an intuitive keypad, enabling precise management of parameters like flow rate, direction and dispensing volume. With advanced features such as wizard-style flow calibration, anti-drip back suction, multi-segment dispensing, and memory retention, the pump ensures consistency in complex and repetitive workflows. These capabilities make it ideal for high-precision applications in pharmaceuticals, chemicals, biotech, and diagnostic research. Designed with automation in mind, the pump supports RS 485 MODBUS communication with over 80 programmable commands, as well as external analog and digital inputs, allowing seamless integration with laboratory automation systems and external controllers. Available in both heavy-duty stainless steel and lightweight ABS plastic housing variants, it caters to a wide range of environments—from Industrial production setups to compact R&D labs.

### MP100I

Flow Rate : 0.00016-750 ml/min  
 Speed Rate : 0.1~150 RPM  
 Driver Weight : 4.5 kg  
 Power Consumption : <40W

### MP300I

Flow Rate : 0.005-1750 ml/min  
 Speed Rate : 0.1~350 RPM  
 Driver Weight : 4.5 kg  
 Power Consumption : <50W

### MP600I

Flow Rate : 0.005- 3000 ml/min  
 Speed Rate : 0.1~600 RPM  
 Driver Weight : 4.5 kg  
 Power Consumption : <60W



Quick Tube Change



Stainless Steel Rotors

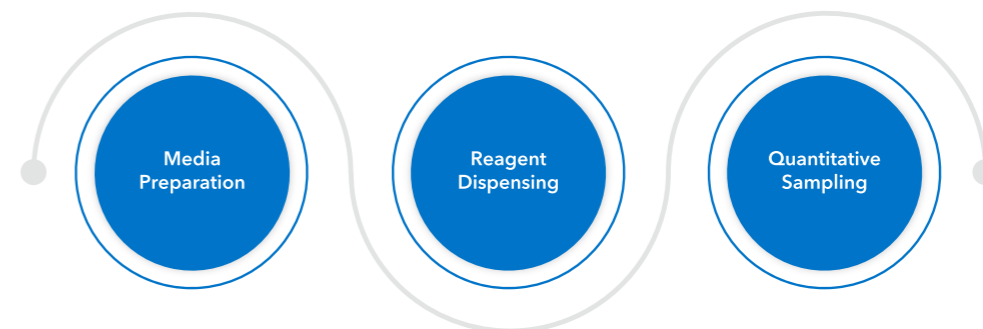


Moderate Pulsation

### Technical Specifications:

Speed Resolution	0.1RPM
Speed Accuracy	<±0.2%
Dispensing Volume	0.001µL~9999µL (The recommended minimum filling volume is 50 µL)
Dispensing Time	1~999,"0" Infinite loops
Dispensing Interval Time	Control start/stop, direction, adaptable to 5-24V;
External control Signal Input	Analog signals 0-5V/0-10V/4-20mA can be configured
External control Signal Output	Start/stop, direction status output
Working Environment	Temperature 0~40°C, relative humidity<80%
Power Supply	AC100~240V, 50Hz/60Hz
IP Grade	IP31
Dimension (L×W×H)	292mm x 160mm x 183mm

### Application Areas:



### Ordering Information:

Model No.	Pump Head	Channel	Tubing Size	Flow rate per channel (ml/min)
<b>MP100I</b>	PH15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~641
	PH25	1,2	114# 116# 15# 24# 35# 36#	0.024~750
<b>MP300I</b>	PH15T	1,2	13# 14# 19# 16# 25# 17# 18#	0.005~1495
	PH25	1	114# 116# 15# 24# 35# 36#	0.024~1750
	PH15-24 (4 Rollers)	2	19# 16# 25# 17#	0.67~1307
	PH15-44 (4 Rollers)	4	19# 16# 25#	0.67~770
<b>MP600I</b>	PH15T	1.2	13# 14# 19# 16# 25# 17# 18#	0.005~2562
	PH25	1	114# 116# 15# 24# 35# 36#	0.024~3000