

## IP66 Industrial Peristaltic Pump

**Model:** HPM600G

**Flow Rate :** 0.0255-513mL/min

**IP rate :** IP66



### ■ Introduction

- The pump shell protection level is IP66, special designed for industrial environment. The pump has 6 types of sealing structures, which can withstand various harsh hot and humid environments, ensure long-term stable operation of the pump.
- Intelligent control system, support transferring and dispensing function.
- 4.3 inch touch screen, easy operation, easy parameter setting and calibration.

### ■ Product Features

- IP66 designed for industrial environment
- Intelligent operation system
- Circuit isolation is achieved both inside and outside the external control interface
- Aluminum alloy body with excellent heat dissipation performance
- Three levels of permissions management function

## ■ Control Interface



## ■ Pump Head



GY15

| Model | Housing material | Tube clamp materia | Tubing     |            | (Speed: 0-600rpm)<br>Flow rate range(mL/min) | Weight(kg) |
|-------|------------------|--------------------|------------|------------|----------------------------------------------|------------|
|       |                  |                    | Tubing No. | IDxWT (mm) |                                              |            |
| GY15  | Aluminum alloy   | Stainless steel    | 14#        | 1.6x1.6    | 0.0255-153                                   | 0.95       |
|       |                  |                    | 19#        | 2.4x1.6    | 0.051-306                                    |            |
|       |                  |                    | 16#        | 3.1x1.6    | 0.0855-513                                   |            |

## ■ Technical Parameter

|                               |                                                                                                                                                                                               |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC Standard                  | IEC 61000-6-2/IEC 61000-6-4/IEC 61000-3-2/IEC 61000-3-3                                                                                                                                       |
| Housing material              | Aluminum alloy                                                                                                                                                                                |
| Speed range                   | 0.1-600 rpm                                                                                                                                                                                   |
| Speed adjustment resolution   | 0.01 rpm                                                                                                                                                                                      |
| Display                       | 4.3-inch industrial-grade color LCD screen                                                                                                                                                    |
| Control modes                 | Touch screen, mechanical keypad, external control signal control, communication control                                                                                                       |
| Working modes                 | Transferring mode, dispensing mode (Fixed volume, dispensing, speed dispensing)                                                                                                               |
| Transferring mode             | Continuous operation at set flow rate and speed                                                                                                                                               |
| Dispensing mode               | Dispensing:Set volume, time, repeat numbers, pause time<br>Dispensing:Set volume, flow rate, repeat numbers, pause time<br>Speed dispensing:Set speed (rpm), time, repeat numbers, pause time |
| Dispensing volume range       | 0.1ml-9999L                                                                                                                                                                                   |
| Dispensing time range         | 0.1s-9999h                                                                                                                                                                                    |
| Pause time range              | 0.5s-9999h                                                                                                                                                                                    |
| Repeat numbers                | 1-9999 times, 0 means unlimited times                                                                                                                                                         |
| Calibration                   | Automatic calibration after inputting actual running liquid volume                                                                                                                            |
| Communication interface       | RS485                                                                                                                                                                                         |
| Communication protocol        | Modbus protocol (RTU mode)                                                                                                                                                                    |
| External control speed signal | 0-5V, 0-10V, 4-20mA (optional)                                                                                                                                                                |
| External control signal input | Active switch signal (5-24V) controls start/stop, direction; Passive switch signal controls start/stop                                                                                        |
| Signal output                 | Open collector output operation status; 4-20mA output                                                                                                                                         |
| Status Output                 | Open collector output for running status                                                                                                                                                      |
| Frequency Output              | Speed-Frequency Output, Frequency Range 600Hz-3000Hz                                                                                                                                          |
| Signal output                 | Open collector output operation status; 4-20mA output                                                                                                                                         |
| Three levels of permissions   | Three user access levels (Administrator, Technician, and Operator) with distinct permission settings                                                                                          |
| Leak detection function       | Immediately stop operation upon leak detection                                                                                                                                                |
| Drive dimension               | 320mm*160mm*222mm                                                                                                                                                                             |
| Power supply                  | AC110V-220V, 50/60Hz                                                                                                                                                                          |
| Rated power                   | 110W                                                                                                                                                                                          |
| Relative humidity             | <90%                                                                                                                                                                                          |
| Working environment           | 0-40°C                                                                                                                                                                                        |
| Protection level              | IP66                                                                                                                                                                                          |
| Drive weight                  | 6.3kg                                                                                                                                                                                         |

## ■ Dimension Drawing(mm)

