Industrial Peristaltic Pump

G300-3F

Flow Rate





Industries have very wide demands for peristaltic pumps. But industry applications have more restrict requirements, such as higher IP rating, better chemical resistance, better reliability, and good electromagnetic compatibility. Longer Pump provides professional peristaltic pump solutions for industry applications, to meet the industrial fluid transfering and handling requirements.

- Using aluminium alloy housing with anti-corrosion paint treatment, the pump has good corrosive resistance and longer life time in corrosive environment.
- With good electromagnetic compatibility, the pump will not behave unacceptably in the EMI environment and will not interfere with other electronic equipment.
- With high IP rating, the pump could be used in wet and dusty environment.
- Using high quality electronic components, optimizing software design and circuit design, the pump provides long-term reliable and stable operation.
- With precise speed control in 0.1rpm resolution (3000:1 turndown ratio), and flow rate calibration function, the pump has more accurate flow rate.

Speed	0rpm-300rpm, CW/CCW.
Speed Resolution	0.1rpm resolution within the speed of 0-100rpm 1rpm resolution within the speed of 100rpm-300rpm
Display	LCD
Control Mode	Keypad control, external signal control.
Work Mode	Flow rate mode or dispensing mode
Flow rate mode	Flow rate is displayed and the pump runs continuously at the set flow rate
Flow rate calibration	Improve the flow rate accuracy
Flow rate setting range	1.000mL/min-9999mL/min
Dispensing mode	The pump dispenses continuously according to the parameters: dispensing volume, cycles, interval, back suction.
Dispensing calibration	Improve the dispensing volume accuracy
Dispensing Volume	0.1mL-9999L
Dispensing cycle	0-9999
Interval time	1sec-99.9min
Back suction angle	0-1800°, resolution is 36°.
External control	Start/stop control, direction control: voltage level signal, 5V to 12V Speed control: 0-5V.
Pump status output	1 OC gate signal for start/stop, 1 OC gate signal for direction 0-4000Hz pulse signal for pump speed 0rpm-300rpm(linear function).
Power-off memory	Return to previous status when power on
Footswitch control	The pump could be start/stop controlled by footswitch accessory
Dimension(L×W×H)	360mm×215mm×243mm
Power Supply	AC220V±10%/120W, 50/60Hz.
Operating Temperature	0 to 40℃
Relative humidity	＜100%
IP rating	IP65
Weight	14kg

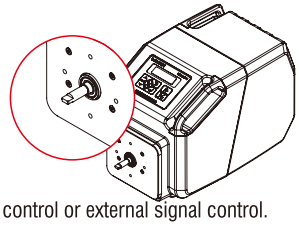
INDUSTRIAL

Customized Industrial Peristaltic Pump

Longer Pump provides customized industrial peristaltic pump based on customer's special reuqirements. G300-3F-1 and G300-3F-2 are both customized products based on G300-3F, which could drive the most common industrial pump heads in the market, could have special work mode, external control function, tubing leak detection, etc.

G300-3F-1

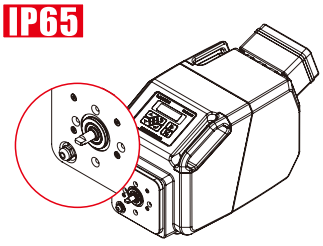
IP65



Control mode: Keypad control or external signal control.
External speed control: 0-5V
Flow rate unit: μL/min or mL/min
Flow rate range: 1μL/min-9999mL/min
Dispensing volume: 0.1μL-9999L
Other function and performance are same as G300-3F.

G300-3F-2 IP65





Work mode: Flow rate mode
Control mode: keypad control or external signal control, which could be set remotely.
External speed control: 4-20mA
Flow rate range: 0.01mL/min-9999mL/min
Tubing leak detection is available.
Interface module for external input and output is available.
Other function and performance are same as G300-3F.

Model	Product code	Pump head	Tubing	Max. Flow Rate (mL/min)	Weight(kg)
G300-3F	05.02.2CL	YZ35-13-B	73# 82#	5500	15.65
		KZ35-13-B			17.7