LONGER®
PRECISION FLUID TRANSFER

Industrial Peristaltic Pump
G100-1L, G300-1L, G600-1L



- Die-cast aluminum housing with powder coat for good corrosion protection
- Waterproof breathable design, enhanced sealing performance, IP66 protection for wet and dusty environment
- Multiple work modes: continuous transfer, timed transfer, volume transfer, for various applications

IP66 CE UKCA

	G100-1L	G300-1L	G600-1L
Product code	05.02.24A	05.02.25A	05.02.26A
Speed range	0, 0.01-150 (rpm)	0, 0.01-350 (rpm)	0, 0.01-650 (rpm)
Speed resolution	0.01rpm(< 10rpm) 0.1rpm(10rpm ≤ speed < 100rpm) 1rpm(100rpm ≤ speed ≤ Max speed)		
Flow rate range	0.15uL/min-750mL/min	0.15uL/min-1750mL/min	0.15uL/min-3250mL/min
Display	LCD for speed, flow rate, running time, dispensed volume, and other setting parameters		
Work mode	continuous transfer, timed transfer, volume transfer		
Calibration	Improve the flow rate and dispensing volume accuracy		
Control mode	Keypad control, footswitch control, external signal control and communication control		
External control	Start/stop control, direction control: logic level signal or switch signal (dry contact), momentary or maintained trigger mode can be configured Speed control: 0-5V/0-10V/4-20mA/0-10kHz with uniform interface, speed range/signal range can be configured		
Communication control	RS485 interface, Modbus RTU and Longer Pump OEM protocol, communication parameters can be configured		
Keypad lock	Keypad can be locked to prevent misoperation, the delay time before lock can be configured		
Parameter memory	Running parameters and system parameters can be saved automatically		
Pump status when powered up	The pump status when powered up can be set to stop or the status before power-off		
Prime	Fast filling or emptying at full speed		
Certificate	CE, UKCA EMC: EN IEC61000-6-2:2019 EN IEC61000-6-4:2019 LVD: EN 61010-1:2010/A1:2019 EN 61010-1:2010/A1:2019		
Dimension (LxWxH)	240*142*152(mm)		
Power supply	AC100-240V 50Hz/60Hz		
Power consumption	25W	40W	60W
Working condition	Environment temperature: 0°C-40°C, relative humidity: 10%-90%		
IP rating	IP66		
Weight	3.64kg	3.75kg	3.75kg

Pump Head	Tubing	Max Flow Rate Reference (mL/min)		
		G100-1L	G300-1L	G600-1L
dPOFLEX® BPH01	13#,14#,19#,16#,25#	130	300	530(@600rpm intermittent)
YZ1515x, YZII15	13#,14#,19#,16#,25#,17#,18#	570	1280	2380
YZ2515x	15#,24#	400	930	1730
YZII25	15#,24#,35#,36#	750	1750	3250
FG15-13	13#,14#,19#,16#,25#,17#,18#	645	1400	2600
FG25-13	15#, 24#	480	1280	2380
DMD15-13	2x13#, 2x14#, 2x19#, 2x16#, 2x25#	560	1200	2500
DG15-24	16#,25#,17#	450(single channel)	1050(single channel)	1900(single channel)
DG15-28	13#,14# ID≤ 3.17mm,wall thickness:1mm	75 (single channel, speed≤100rpm)		
DG-(1,2,4,6,8) 6 rollers	ID≤ 3.17mm Wall thickness:0.8-1mm	48 (single channel, speed≤100rpm)		
DG-(1,2,4) 10 rollers	ID≤ 3.17mm Wall thickness:0.8-1mm	32 (single channel, speed≤100rpm)		

www.longerpump.com
longer@longerpump.com