

Flow Rates Peristaltic Pump

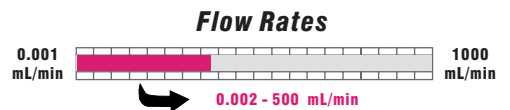
BT100-1L

The max. output torque of BT100-1L drive is 1.65 N·M. Multiple pump heads are available. The pump delivers flow rates from 0.002 to 500 mL/min. 128 × 64 graphic LCD displays running menus and parameter setting menus. The flow rates and the speed (rpm) can be displayed in the same screen. The display interfaces are friendly. It has flow rates calibration function to make the flow rates more accurate. It has many control modes. The external control can be realized through standard external interface or RS485 communication interface.



Functions and Features

- Display can switch between flow rates and rpm
- Calibration capability for more accurate flow rates
- Graphic LCD together with rotary encoded switch make the pump easy to use
- Higher torque to accept more pump heads and more channels
- RS485 communication interface available. Offering communication protocol to customer and customizing software according to customer's requirements



Flow Rates Display High Torque

Applicable Pump Heads



DG-2
I
DG-24



DG15-24
DG15-28
DG15-48



YZ1515x
YZ2515x



YZII15
YZII25

Specifications

- Speed:** 1.0 to 100.0 rpm, reversible
- Speed precision:** 0.1 rpm
- Speed control:** Rotary encoded switch coupled with membrane keypad
- Display:** 128 × 64 graphic LCD displays current running status
- External control:** Start/stop and cw/ccw control, 0 to 5 V, 0 to 10 V, and 4 to 20 mA speed control
- Communication interface:** RS485
- Power supply:** AC 220 V ± 10% 50Hz/60 Hz (standard)
AC 110 V ± 10% 50Hz/60 Hz (optional)
- Power consumption:** < 50 W
- Operating condition:** Temperature 0 to 40 °C
Relative humidity < 80%
- Dimensions (L × W × H):** 202 × 160 × 239 (mm)
- Drive weight:** 5.34 kg
- IP rating:** IP 31



Drive	Part Number	Pump Head	Tubing	Flow Rates (Single channel: mL/min)	Weight (kg)
BT100 - 1L	0502122	DG15 - 24	16# 25# 17#	1 - 380	6.16
		DG15 - 28, DG15 - 48	Wall Thickness: 0.8 - 1.0 (mm) Inner Diameter: ≤ 3.17 mm 13# 14#	0.005 - 75	6.01
	0502125	DG - (2,4,6,8,12,16,24) (6,10 rollers)	Wall Thickness: 0.8 - 1.0 (mm) Inner Diameter: ≤ 3.17 mm	0.0025 - 48 (6 rollers) 0.002 - 32 (10 rollers)	5.82 - 8.70
		(1,2,3,4) YZ1515x (1,2,3,4) YZ II 15	13# 14# 19# 16# 25# 17# 18#	0.07 - 380	5.76 - 7.02
		(1,2,3,4) YZ2515x	15# 24#	1.7 - 270	5.76 - 7.02
		(1,2) YZ II 25	15# 24# 35# 36#	1.7 - 500	5.70 - 6.04