Peristaltic Pump (ST-BT100-1F/ ST-WT600-1F)

- These two model of Dispensing Peristaltic Pump can dispense liquid precisely and have calibration function.
- They can be controlled through standard external interface or RS485 communication interface.

Features and Functions

- ST-WT600-1F can dispense liquid volume in ml unit and ST-BT100-1F can dispense liquid volume i ˜l and ml unit.
- Back suction function: In dispensing mode, the pump runs reversely after ÿnishing on ÿlling operatio to prevent the liquid from dripping.
- Operating mode: Membrane keypad and rotary encoded switch.
- Control Mode: Pump can be controlled by membrane on it or through external control. Display: LCD
- displays current running status and parameters.
- Prime key: For fast ÿlling and emptying.
- Memory function: Storing the running parameters automatically.
- Calibration function: The ¸ow rates and dispensing volume can be calibrated to increase the accurancy.
- Communication interface: RS485.

Applicable Pump Heads

YZ1515X YZ2515X | KZ25 | YZII25 YZII25 | DG15-24 | DG-1 | DG-4 | DMD25

Specification of Peristaltic Pump

Model	ST-BT100-IF	ST-WT600-1F
Speed	0.1-100 rpm, reversible	10-600 rpm, reversible
Dispensing Volume	0.01ml to 9.99L	0.01ml to 9.99L
Speed Resolution	0.1 rpm	1 rpm
Copy Number	0 to 9999, 0 means unlimited cycle	
Pause Time	0.1 sec to 99.9 min	
Flow rates calibrating time	0.5 - 30 min	
External Control	Start/Stop and cw/ccw control, 0 to 5V, 0 to 10V, 4 to 20 mA and 0 to 10 kHz speed control	
Output Interface	Start/Stop direction output and 0-10 kHz frequencyoutput, OC gate output	
Operating condition	Temperature0-40°C,relativehumidity<80%	
Drive Dimensions	285 x 207 x 180mm	
IP Rating	IP31	
Power Supply	AC100-240V, 50/60Hz	AC176-264V, ±10%, 50/60Hz
Power Consumption	< 40W	< 140W
Drive Weight	3.8kg	5.2kg

	Pump Head	Tubing	Flow Rates (mL/min)	Weight (kg)
	YZ1515x, YZII15	13, 14, 19, 16, 25, 17, 18	7˜l-380ml	4.2kg
	YZ2515x	15, 24	0.17mL-270ml	4.2kg
	YZII25	15, 24, 35, 36	0.17mL-500ml	4.2kg
ST-BT100-1F	DG-1, DG-2, DG-4 (6 rollers)	Wall Thickness: 0.8 - 1.0 (mm) Inner Diamter: ˜3.17 mm	0.25 ˜l - 48ml (single channel)	4.0 - 4.2kg
	DG-1, DG-2, DG-4 (10 rollers)		0.2 ˜l - 32ml (single channel)	
	(1,2) x YZ1515x, (1,2) x YZII15	13, 14, 19, 16, 25, 17, 18	Single channel 0.7 - 2200	5.6 - 6.0kg
	(1,2) x YZ2515x	15, 24	Single channel 17 - 1600	
ST-WT600-1F	(1,2) x YZII25, KZ25	15, 24, 35, 36	Single channel 17 - 3000, 34 - 6000	6.0kg
	DG15-24	16, 25, 17	8.2 - 1800	6.0kg
	DMD25 (˜350rpm)	119, 120, 15, 24, 35, 36	5 - 4000	7.7kg

*Maximum speed for DMD25 is 350 rpm