



## Intelligent Flow Peristaltic Pumps

### P150T Series Intelligent Flow Peristaltic Pumps

P150T series intelligent peristaltic pump provides flow range from 0.00011 to 720 mL/min. It offers not only intuitive and clear interface with color LCD touch screen, but also advanced features such as flow rate calibration and anti-drip function for accurate flow transfer. Easy Dispense Mode is available to dispense the recorded volume by pressing the DISPENSE key or using a footswitch. The system minimizes working noise due to the intelligent cooling fan control. With RS485 MODBUS interface, the pump is easy to communicate with external device, such as PC, HMI or PLC.

Flow Rates: 0.00011-720mL/min (depends on the pump head)

Max. : 4 Channels

#### Functions and Features

- ★ Color LCD display, touch screen and keypad for operating.
- ★ Reversible direction, start/stop control and adjustable speed.
- ★ Flow rate calibration.
- ★ Flow rate display and control; Cumulative dispense volume display.
- ★ Anti-drip function ensures dispense accuracy.
- ★ 0.2% high precision rotating speed control with 0.1 rpm speed resolution.
- ★ Precise motor control technology improves dispense accuracy compared to the traditional dispense mode.
- ★ Professional operating system, configure system with setup wizard.
- ★ Intelligent temperature control to minimize working noise.
- ★ Logic level signal can control start/stop, direction and easy dispense functions; external analog signal can adjust the rotating speed. Control signal is optically isolated.
- ★ With RS485 MODBUS interface, easy to communicate with external device.
- ★ Internal double-layer isolation structure; circuit board with conformal coating makes the pump dust-proof and moisture proof.
- ★ Anti-electromagnetic interference feature, wide input voltage range for complex power environment.
- ★ ABS plastic housing, streamlined shape.
- ★ Drive multi-channels and various types of pump heads.
- ★ Optional footswitch and remote infrared control.



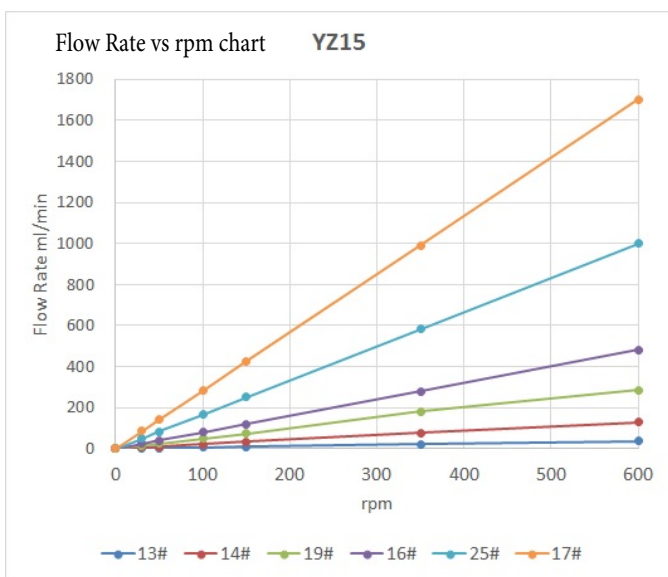


Specifications	
Flow range	: 0.00011-720 mL/min
Speed range	: 0.1-150 rpm
Speed resolution	: 0.1 rpm
Speed accuracy	: 0.2%
Power supply	: AC220V±10% 50/60Hz; AC110V±10% 50/60Hz
Power consumption	: < 30W
Ext. logic level control signal	: 5V, 12V (standard), 24V (optional)
Ext. analog control signal	: 0-5V (standard), 0-10v, 4-20mA (optional)
Communication interface	: RS485 MODBUS interface
Operating condition	: Temperature 0-40°C; Relative humidity<80%
IP class	: IP31
Dimensions (LxWxH)	: 257x198x182mm (10.12 x 7.80 x 7.17 inch)
Weight	: 4.8 kg (10.6 lbs)

**YZ15 Pump Head Included**



YZ15 Pump Head Specification	
Flow range	: 0.006~420mL/min
Applicable tubings	: 13#, 14#, 19#, 16#, 25#, 17#, 18#
Shell material	: PPS
Roller material	: 304 stainless steel
Roller number	: 3
Gap adjustment	: fixed
Working temperature	: work continuously under 200 °C
Chemical compatibility:	resistant to acid, alkali and organic solvents



3 Roller YZ15 (mL/min)							
	Tubing 13#	14#	19#	16#	25#	17#	
0.1	0.0060	0.0217	0.048	0.0800	0.1667	0.2833	
30	1.8	7	14	24	50	85	
50	3.0	11	24	40	83	142	
100	6.0	22	48	80	167	283	
150	9.0	33	73	120	250	425	
350	21	76	181	280	583	992	
600	36	130	286	480	1000	1700	

Order Information
Model : P150T with YZ15 Pump Head
<b>Order Number</b>
AC-110V-50/60Hz : P150T-115110
AC-220V-50/60Hz : P150T-115220

Please look into the accessory brochure for other suitable pump heads and tubing types.



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