

Multi head series connect high-precision servo motor peristaltic pump



Advantage

- 1.This product features a high-precision external drive for stepper motor microstep- ping, ensuring smooth operation and minimal vibration.
 - 2.Physical buttons, 128x32 graphical dot-matrix LCD display, distinctive features, and wider application areas,for BT101LY and BT601LY
 - 3.Physical buttons for direction control and start/stop, easy and convenient operation; also equipped with a full speed key for rapid filling or emptying.Rotary encoder for speed adjustment for BT301LY and BT601LY
 - 4.It is equipped with a timing and quantitative function for BT101LY and BT601LY, making it suitable for simple filling needs.
 - 5.It is capable of RS485 communication with a PC, and our company provides free testing software and communication protocols.Only for BT301LY and BT601LY
 - 6.Wireless control is supported, allowing for remote wireless operation when used with our company's remote controller. 7.It also supports mobile phone control, enabling AI-powered operation when paired with IoT technology.
- By using optional accessories such as a dispensing controller, foot switch, or relay control module, it can achieve small-batch filling and distribution.

Specification

Model	AST-101LY	AST-301LY	AST-601LY
Speed range	0.1~150rpm	0.1~350rpm	0.1~600rpm
Flow range	0.0025~570mL/min	0.0025~1330mL/min	0.0025~2280mL/min
Display Mode	128x32 graphical dot-matrix LCD display		
Adjustment method	physical button adjustment or external control adjustment	Rotary encoder or external control adjustment	physical button adjustment or external control adjustment
Power supply	AC90-265V,50Hz/60Hz		
working environment	Temperature,0~40°C, Humidity<80%, No condensation		
IP grade	IP31		
Angular Resolution	0.1rpm		
Flow resolution	0.001mL/min		
External control interface	Start/stop, direction (switch)Speed (0-5V, 0-10V, 4-20mA0-10KHz optional)		
external dimensions L*W*H	138×153×220(mm)	290×200×206(mm)	290×200×206(mm)
power consumption	<30W		
Drive weight	2.35 kg (excluding pump head)	3.5 kg (excluding pump head)	3.5 kg (excluding pump head)

Configuration

Suitable pump head & Flow reference (ml/min)				
Pump head	YZ1515	YZ2515	DG1,2,4 (6)	
Tube	13#14#19#16#25#17#18#	15#,24#	Wall thickness 0.8-1mm, inner diameter ≤3.17mm	
BT101LY	≤570	0.17-405	0.0025-48	0.002-32
BT301LY	0.007-1330	0.17~933		
BT601LY	0.007~2280	0.17~1600		
Channel	1 for BT100FC;1·2 for BT300FC and BT600FC	1 for BT100FC;1·2 for BT300FC and BT600FC	1`2`4 for BT100FC	1`2`4 for BT100FC