

101LBT peristaltic pump

101LBT peristaltic pump introduction

101LBT peristaltic pump flow range: 0.00016–720ml/min. It adopts color LCD displaying and touch screen technology. Easy operation interface is intuitive and clear. This pump is mainly applicable to the accurate transmission control. Display and control flow rate, accumulate dispensing volume realizes the users requirements. meanwhile, it also realizes repeated timing quantitative transmission. Suitable for precise metering and dosing, precision highest can amount to 0.5%, in order to reduce unnecessary peristaltic pump noise, it adopts the temperature control technology. RS485 interface, as adopting the MODBUS communication protocol, the pump is easier to be connected with other equipments, such as computer, human machine interface and PLC.

Function and Feature:

- Color LCD displaying, touch screen and keypad for operating
- Reversible direction, start/stop and full speed, state memory (power-down memory).
Speed resolution is above 0.1rpm.
- Display and control flow rate, accumulate dispensing volume automatically.
- Calibrating Flow function.

- Easy dispensing function, it realizes the repeat timing quantitative dispensing, without the time controller.
- The operating expert system guides users setting parameters correctly.
- Temperature-control technology reduces working noise.
- External high-low electrical level controls the start/stop, reversible direction and easy dispensing function, optically coupled isolator. External analog adjusts the rotate speed.
- RS485 interface, MODBUS protocol is available, easy to connect other equipments.
- Internal double-deck isolation structure; circuit board with conformal coating makes it dust-proof and moisture-proof.
- Super anti-interference feature, wide input voltage range, acceptable for the complex power environment.
- ABS plastic housing, creative streamlined appearance.
- Can drive multi-channels and various types of pump heads.
- Optional footswitch or timer for dispensing fluid.

Technical parameters	101LBT
Flow range(mL/min)	0.00016-720
Speed range(rpm)	0.1-150
Speed resolution(rpm)	0.1 rpm
Flow accuracy	<0.5%
Power supply	AC220V ± 10% 50Hz/60Hz(standard) ; AC110± 10% 50 Hz /60Hz(optional)
Power consumption	<30W
External control	Input level 5V,12V(standard),24V(optional) External control analog0-5v(standard),0-10v,4-20mA(optional)
Communication interface	RS485 communication interface, MODBUS protocol is available.
Operating condition	Temperature 0 ~ 40°C; Relative humidity <80%
IP grade:	IP31
Dimensions(LxWxH):	255x181x198(mm)
Weight	4.5kg

101LBT Applicable pump head , tubing and flow parameters.

Drive type	Pump head	Channel number	Tubing(mm)	One channel flow rate (ml/min)
101LBT (ABS plastic housing)	6DG(6 rollers)	1,2,4	Wall 0.8~1, ID≤2.4	0.00016~26
	10DG(10 rollers)	1,2,4	Wall 0.8~1, ID≤2.4	0.00011~20
	10DT-18	1	13#,14# Wall 0.8~1, ID≤2.4	0.0002~82
	10DT-28	2	13#,14# Wall 0.8~1, ID≤2.4	0.0002~82
	15YZ	1	13#14#16#19#25#17#	0.006~420
	25YZ	1	15#24#	0.17~420
	15YT	1	13#14#16#19#25#17#18#	0.006~570
	25YT	1	15#24#35#36#	0.17~720

101LBT Drive with different pump heads combination



1-DG(6/10 rollers)



2-DG(6/10 rollers)



4-DG(6/10 rollers)



4-DG(6/10 rollers)



15YZ



25YZ



15YZ



25YZ



10DT-18



15YT

Appearance size:

