BT50S Micrometeror Speed –Variable Peristaltic Pump

BT50S Micrometeror Speed –Variable Peristaltic Pump flow range is 0.00016-190ml/min. Rotate speed is 0.1-50rpm.With basic functions such as reversible direction, start/stop, full speed (fast cleaning), adjust speed .Dispensing function can realize the repeat timing quantitative dispensing liquid .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

• Four-figure digital LED indicator displays working speed.
• LED indicator displays the internal control, external control, footswitch and other working mode.
• Mask keypad operation.
• Reversible direction, start/stop, full speed, state memory (power-down memory).
• Easy dispensing function, it realizes the repeat timing quantitative dispensing liquid .
• Speed resolution is 0.1rpm.

• Stainless steel housing, easy to clean, excellent resistance to the corrosion of the acid, alkali, sodium and the organic solvents.
• Can drive multi-channels and various types of pump heads.
• The 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.
• 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.
• Optional footswitch or timer for dispensing fluid.

Technical parameters:

- Flow range :0.00016-190ml/min
- Flow accuracy:＜0.5%
- Speed range:0.1-50rpm.
- Speed resolution :0.1rpm
- Power supply :AC 220V±10%,50Hz/60Hz（standard）,
               AC 110V±10%,50Hz/60Hz（optional）
- Power consumption：＜25W
- External control：Input electrical level 5V,12V(standard),24V(optional).
- External communication interface：RS485 communication interface，
                                    support the MODBUS protocol.
- Ambient temperature：0 ～ 40℃
- Relative humidity:＜80%

- IP grade:IP31
- Dimensions（LxWxH）218mmx127mmx122mm
- Weight：2.6KG

BT50S Applicable pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing（mm）	One channel flow rate（ml/min）
BT50S (304SS)	DG10-1(10rollers)	1	Wall 0.8～1，ID≤3.17	0.00016～13
	DG10-2(10rollers)	2	Wall0.8～1，ID≤3.17	0.00016～13
	YZ15	1	13#14#16#19#25#17#18#	0.006～190

BT50S Pictures of applicable pump heads:

DG10-1（10rollers）   DG10-2（10rollers）   YZ15（White）   YZZ15（Black）

Appearance size: