

BQ50S Micrometeror Speed –Variable Peristaltic Pump

BQ50S Micrometeror Speed –Variable Peristaltic Pump can work on the desktop without any fixed plate, meanwhile, embedded design makes the pump can assort with other equipments conveniently .Its flow range is 0.005-20ml/min,Speed range is 0.1-50rpm.Having basic functions such as reversible direction, start/stop, full speed (fast cleaning, empty) and speed-variable. Dispensing function realizes the repeat timing quantitative dispensing. The pump head loads Pharmed BPT tubing whose working life is up to 12000 hours under continuously running. 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

- Simple operation, small size, easy installation, suitable for ancillary equipment and laboratories.
 - Built-in Pharmed BPT tubing whose working life is up to 12000 hours under continuously running
 - Four-figure digital LED indicator displays working speed.
 - The LED indicator displays the internal, external control mode.
 - Mask keypad operation.
 - Reversible direction, start/stop, adjust speed and full speed, state memory (power-down memory).
 - Easy dispensing function, it realizes the repeat timing quantitative dispensing.
- Speed resolution is 0.1rpm.
 - Plastic housing, adopts embedded design, also can work on the desktop separately.
 - 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.
 - Can input the electrical level 5V,12V or 24V.
 - RS485 interface, MODBUS protocol is available, easy to connect other equipments.
 - Optional footswitch or timer for dispensing fluid.

Technical parameters:

- Flow range :0.005-20ml/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: <8W
- External control: Input electrical level 5V,12V(standard),24V(optional).
- External communication interface: RS485 communication interface,

support the MODBUS protocol.

- Ambient temperature: 0 ~ 40°C
- Relative humidity: <80%
- IP grade: IP31
- Dimensions (LxWxH) 112mmx 96mmx96mm
- Weight: 0.7KG

BQ50S Applicable pump head and tubing, flow parameters

Drive type	Pump head	Channel number	Tubing (mm)	One channel flow rate (ml/min)
BQ50S	FZ10	1	Wall 0.8~1, ID≤3.17	0.005~20

Appearance Pictures:



Appearance size:

