BQ80S Speed-Variable Peristaltic Pump

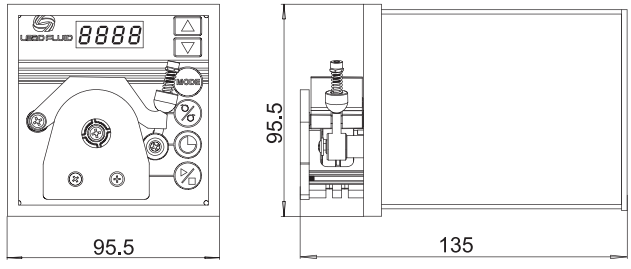
Features

- Simple operation, small size, easy installation, suitable for ancillary equipment and laboratories.
- Four-figure digital LED indicator displays working speed.
- LF-LED-O Ssoftware system.
- Mask keypad operation.
- Start/stop, reversible direction, full speed and adjust speed, state memory (power-down memory).
- Easy dispensing function, it realizes the repeat timing quantitative dispensing.
- Speed resolution is 0.1rpm.
- Engineering plastic housing, embedded design, can also be placed independently for desktop use.
- 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 optically coupled isolator.
- Can input the electrical level 5V, 12V, 24V.
- RS485 communication, MODBUS protocol is available, easy to connect with other equipments
- Optional external foots switch or time distributor.

Technical Parameters

Flow range	0.004 ~ 64ml/min
Speed range	0.1 ~ 80rpm
Speed resolution	0.1rpm
Speed accuracy	< ±0.5%
Power supply (Add power adapter)	AC 100-240V， 50Hz/60Hz
Power consumption	< 10W
External control interface	External control input level 5V, 12V (standard), 24V (optional)
Communication interface	RS485 communication, MODBUS protocol is available
Working environment	Temperature 0 ~ 40℃, relative humidity < 80%
IP grade	IP31
Dimension（L×W×H）	135×96×96mm
Weight	0.8kg

Dimension (mm)（Sample pump head：DW10-1）



BQ80S Applicable Pump Head and Tube, Flow Parameters

Drive Type	Pump Head	Channel	Tube	Single Channel Flow Rare（ml/min）
BQ80S	DW10-1	1	Wall thickness 0.8 ~ 1mm, ID≤3.17mm	0.005 ~ 32
	DW10-2	2	Wall thickness 0.8 ~ 1mm, ID≤2.54mm	0.005 ~ 19
	DW10-3	3	Wall thickness 0.8 ~ 1mm, ID≤3.17mm	0.005 ~ 32
	DW15-1	1	13#14#19#16#25#	0.004 ~ 64

Above flow parameters are obtained by using silicone tube to transfer pure water under normal temperature and pressure, in actually using it is effected by specific factors such as pressure, medium etc. Above for reference only.

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