



LAB-SCALE DIGITAL PUMP

Next-Gen, Smart and Versatile

Perfect for Laboratory environments, introducing a new-generation of peristaltic pumps with a dynamic display for real-time data, versatile operational modes, smart calibration, and enhanced protection .

Features



Touch-LCD Display

Industrial grade True color LCD display with Touch screen



Dynamic Display

View data on one screen: Flow rate, parameters, config, etc.



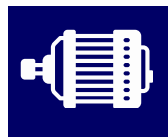
Operational Modes

Continuous flow, Fixed time & volume, Time based start/ stop



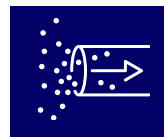
Smart Calibration

Functionality offsets flow to eliminate any errors



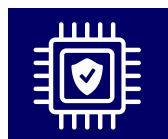
Robust Motor

A Maintenance free motor enables high speed, control & accuracy.



Back Angle Suction

Enables high accuracy level in volumetric dispensing.



Circuitboard Protection

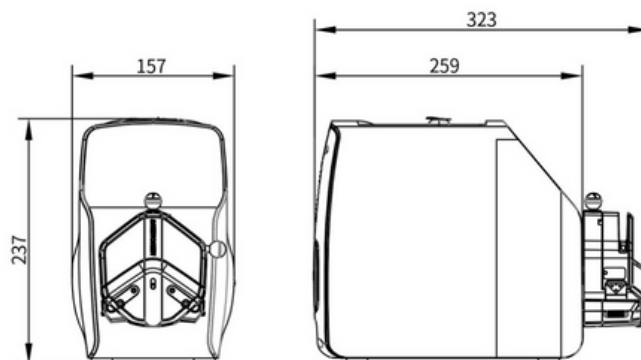
Ensures protection against dust, moisture, static & Corrosion



Communication Interface

Comes with Analogue signal, RS232, RS485 MODBUS protocol

Dimension



Contact Us

☎ 040-45210400

✉ enquiry@biopulsesolutions.com

🌐 www.biopulsesolutions.com

Specifications



Pump Model	Lab-D I	Lab-D II
Part No.	BP902012-005	BP902012-006
Flow Rate	0.005 - 2580 ml/min	0.18 - 3100 ml/min
Motor Speed	0.1 - 600 rpm	
Speed Resolution	0.01 rpm	
Pump-Head Stack	2	
Reversible (CW/CCW)	Yes	
Suction Back Angle	0-360 °	
External Control	0-5V, 0-10V, 4-20 mA	
Display	4.3" Industrial grade True color LCD	
Control	Touch screen & Mechanical Keypad	
Housing Enclosure	ABS Plastic	
IP Rating	IP31	
Dimensions (LxWxH)	259 x 157 x 237 mm	
Power	230 VAC, 50/60 Hz	
Weight	4.40 kg	

Tube Size	Flow rate (ml/min) with 1.6 mm tubing wall thickness	Flow rate (ml/min) with 2.4 mm tubing wall thickness
0.8 mm	0.005 - 32	-
1.6 mm	0.027 - 162	-
3.1 mm	0.093 - 560	-
4.8 mm	0.196 - 1180	0.18 - 1080
6.4 mm	0.333 - 2000	0.27 - 1640
7.9 mm	0.43 - 2580	0.38 - 2300
9.6 mm	-	0.51 - 3100

Accessories

Pump Head (1.6 mm WT)	BP902017-005
Pump Head (2.4 mm WT)	BP902017-006
Mounting Hardware (max. 2 pump heads)	BP902017-105

We also offer end-to-end Fluid management solutions including

- Tubing
 - Fittings
 - Connectors
- and more...

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