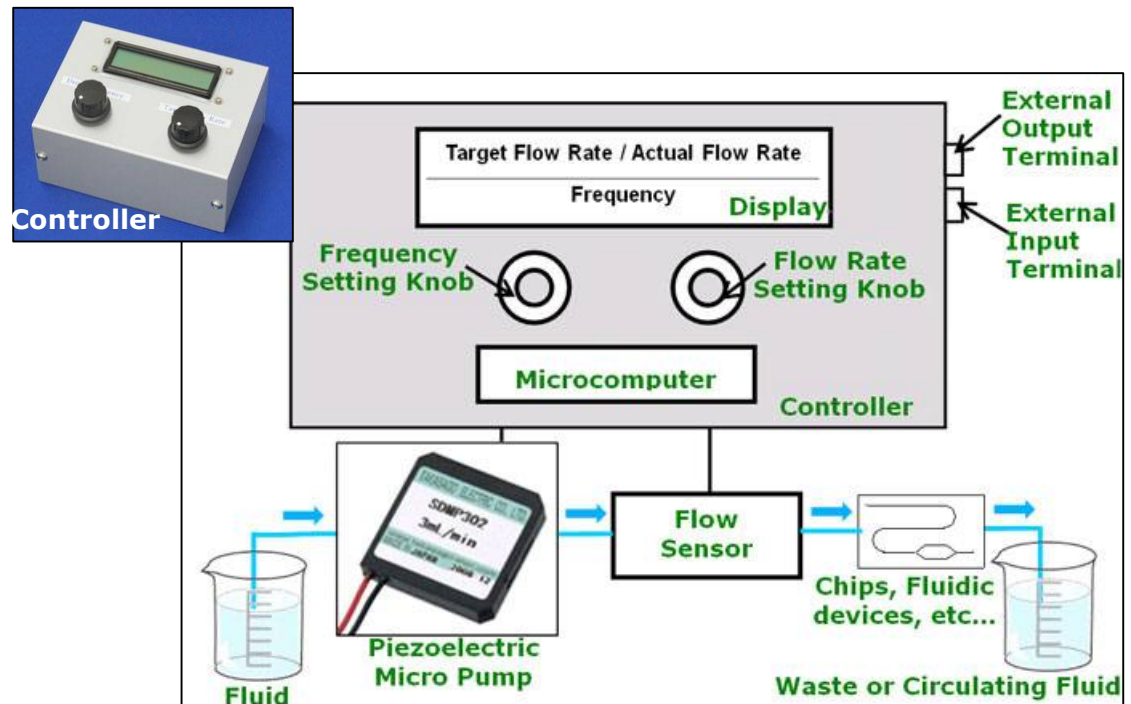


# Flow Control System for Piezoelectric Micro Pump



## Automatically Adjust to a Target Flow Rate

### Features

- Automatically adjusts the flow to the target rate set manually by the flow setting knob. Flow remains stable even when the liquid levels of the vessel change.
- Programmed flow control using an external input is also possible.
- The flow data can be exported through the external output terminal.
- Applicable to Takasago piezoelectric micro pump models SDMP302, SDMP306 and APP-20KG.
- The flow sensor can be selected from Sensirion LG16-0150 or LG16-1000. These support a range of flow rates from a few hundred nl/min to 7  $\mu$ l/min and from a few  $\mu$ l/min to 1 ml/min, respectively. Please consult us for more details.
- The wetted materials of the flow sensors are PEEK and glass, and those of the pumps are plastics and elastomers. The highly inert model allows the handling of a wide range of fluids. For the details, please refer to the user's manual of each piezoelectric micro pump.

### Note:

The flow rate of a piezoelectric micro pump is adjustable by changing either the drive voltage or drive frequency. However, the automatic flow control of this system is enabled by the adjustment of drive voltage only. Thus, the range of automatic flow control is restricted to within the adjustable range of the drive voltage. Please manually adjust the drive frequency when you require flow rates outside of this range.

\*Details including specifications may change without notification.

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