



mpSmart series

mpSmart means that the micropump is being combined with one or more additional components, such as a sensor, a microfluidic chip or an active valve. This turns it into a microfluidic system with additional functionality. One feature of the intelligent **mpSmart** system is that our experienced developers select and fully pre-assemble the individual components with all the right settings for your purposes, so that the system is ready for operation.

mpSmart-Dosing:

Flow range	Accuracy	Power consumption	Sensor	Calibration	Power supply
liquids – water 0.5 – 8 ml/min	>95%	235/365 mW	Sensirion SLF3s-1300F	Water based solutions	5 V DC via PC (USB)

mpSmart-Lowdosing:

Flow range	Accuracy	Power consumption	Sensor	Calibration	Power supply
liquids – water 0.005 – 1 ml/min	>95%	185/230 mW	Sensirion SLF3s-0600F	Water based solutions	5 V DC via PC (USB)

mpSmart-Flowstop

Flow range	Pressure range	Power consumption	Valve	Calibration	Power supply
Controlable through amplitude and frequency	Inlet up to 1 bar Outlet up to 500 mbar	275/60 mW	Takasago Valve SMV-2R-BN1F	Liquids and gases	5 V DC via PC (USB)

Our microfluidic mpSmart-Dosing, mpSmart-Lowdosing and mpSmart-Flowstop systems have a free and easy software available which allows an easy access to the system



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More information?



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microfluidics

with passion for

