



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



mpSmart series

Contact Data:

Bartels Mikrotechnik GmbH

Konrad-Adenauer-Allee 11

44263 Dortmund Germany

Tel: +49-231-47730-500

Fax: +49-231-47730-501

info@bartels-mikrotechnik.de

www.bartels-mikrotechnik.de

www.bartels-mikrotechnik.shop

Social Media:

LinkedIn: Bartels Mikrotechnik

Facebook: Bartels Mikrotechnik GmbH;
@bartelsmikro

YouTube:

<https://www.youtube.com/user/BartelsMikrotechnik>

Sold in North America by:
Servoflo Corporation
75 Allen Street
Lexington, MA 02421
781-862-9572
www.servoflo.com/info@servoflo.com

More information?



02/2021

microfluidics

with passion for

