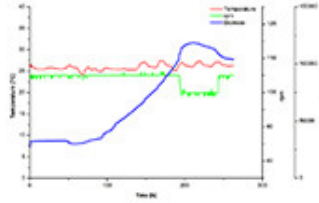


SFR vario BM NEW Entry-level Device

Determine Biomass by Reflection Measurement



Dear Dr. Max Mustermann

May we introduce to you today the most budget-friendly system on the market for biomass measurements in shake flasks? Then have a look at our new entry-level device SFR vario BM, which gives precise insights into the growth process of a wide variety of yeast, plant, fungus or cell cultures. And the hardware of the SFR vario BM can be easily upgraded at PreSens in Regensburg any time so that oxygen, pH or CO₂ and the oxygen uptake range measurements are possible as well.

Moreover, PreSens offers a new Sensor Integration Mask for Shake Flasks, the SIMS-v1, which is mainly used for the integration of CO₂ sensors. This mask ensures correct positioning of sensor spots in SFS Sensor Flasks with knobs at the bottom for read-out with the SFR and the SFR vario.

Enjoy reading and in case of any questions, please do not hesitate to contact us!

Your PreSens Team

SFR vario BM - Inexpensive System for Online Biomass Measurements in Shake Flasks



The SFR vario BM offers non-invasive online monitoring of biomass in shake flask cultures, and additionally measures temperature and rpm. PreSens' optical biomass measurements are based on scattered light detection, so no integrated sensors are necessary. The biomass data can be correlated with parameters like optical density, cell dry weight or cell concentration, so one can get real-time information on e.g. OD600 development.

- Most cost-effective system on the market
- Proven SFR vario technology
- Hardware expansion options for O₂, OUR & pH measurement
- Parallel measurements in up to 4 shake flasks

>> [Quote Request](#)

Sensor Integration Mask for Shake Flasks - SIMS-v1

This mask is a useful tool for self-integration of sensor spots (CO₂, O₂ or pH) in SFS Sensor Flasks with knobs at the bottom, and is available for all our flask sizes (125 mL, 250 mL, 500 mL, 1 L, 2 L, 3 L & 5 L).

- Easy sensor positioning in shake flasks
- Ensures correct positioning for read-out with SFR & SFR vario
- Prototypes made of PLA by 3D print



Upcoming Exhibitions

October 27 - 30, 2019

[RAFT 2019](#)

Bonita Springs, USA, Hyatt Coconut Point, Booth 36

October 27 - 31, 2019

[MicroTAS 2019](#)

Basel, Switzerland, Congress Center Basel, Booth 20

December 2 - 5, 2019

[TERMIS-AM 2019](#)

Orlando, USA, Loews Sapphire Falls Resort Universal Orlando, Booth 113

You would like to learn even more about PreSens Precision Sensing? Please visit our homepage www.presens.de and do not hesitate to contact us. Any feedback is appreciated.

With kind regards

Christina Schlauderer

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