

# Advanced in vitro exposure systems

VITROCELL® Photometer and Software



# VITROCELL® Photometer 2.0

## Online measurement of particle concentrations

VITROCELL® Photometers were specifically designed and developed to enable online measurements of particle concentrations at the inlets and/or outlets of the aerosol exposure top.

They are capable of measuring inline at very low flow-rates (e. g. 5 ml/min.) without any particle losses. The photometer measures a mere 62 mm in diameter. The photometers can be supplied with a control box and PC software for convenient read-outs.



### Photometer Control Box

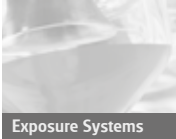
The photometers are supplied with a control box for 4 Photometers and the VITROCELL® Monitor Software for convenient read-outs.



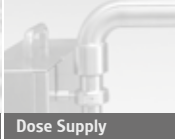
VITROCELL® Photometer Controller connects up to 4 Photometers with the Monitor Software.

## Features

- Inline measurement with online read-out
- No losses of mass
- Extremely small



Exposure Systems



Dose Supply



Dilution



Racks & Carts



Dose Monitoring



Skin Exposure



Auxiliary Equipment

# VITROCELL® Monitor Software for Photometers

## Standard Edition

The VITROCELL® Monitor software enables data for max. 9 photometers to be presented online, including an area under curve calculation. The data is logged into a .csv file which can be opened in Excel®.



## Options for 5 Parameters

The VITROCELL® Monitor software is capable to record 5 different parameters:

- Deposition on the VITROCELL® QCM
- Concentration of Aerosols measured by the VITROCELL® Photometer
- Carbon monoxide concentration
- Temperature
- Humidity



The software supports multiscreen use. By undocking charts from the main window they can be placed free in size and position or on a second screen.

## GLP Edition

VITROCELL® Monitor software GLP Edition was developed for laboratories operating under GLP conditions. This software upgrade assures tracability to high standards.



## About VITROCELL®

**VITROCELL® exclusively concentrates on the developing, producing, installing, training and servicing of advanced *in vitro* exposure systems.**

The VITROCELL® Systems' team is driven by their vision for new in-vitro standards through state-of-the-art technology, highly qualified workmanship and absolute client dedication. VITROCELL® has successfully collaborated with clients from leading research institutes, contract research organizations, regulatory authorities or industrial laboratories across the world. Working with our team experts, all modules have been tailored to create durable and complete turnkey-systems for *in vitro* inhalation toxicology. Gases, environmental atmospheres, nano particles and complex mixtures are analyzed on lung cells at the air/liquid interface using these systems. VITROCELL® technologies are also applicable to solutions for skin research.

Over a decade of devotion to research in this specific field has given our team of design & precision manufacturing specialists the opportunity to mentor highly diversified and complex projects **from conception to completion**. We strive to become a constructive member of each research team, providing support when it is needed, advice when it is required and modules of the highest quality, which are even polished by hand before leaving here to be integrated into your workspace. Every piece of our German engineered equipment is manufactured to the highest of standards – yours.

For more information  
please scan the QR-Code:



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