

Advanced in vitro exposure systems

VITROCELL® RH/T-Controller



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Reliable digital Humidity- and Temperature Measurement



The VITROCELL® RH/T-Controller system was designed to measure temperature and relative humidity in numerous applications at high precision. It can be fitted to humidification systems, aerosol ducts and climatic chambers.

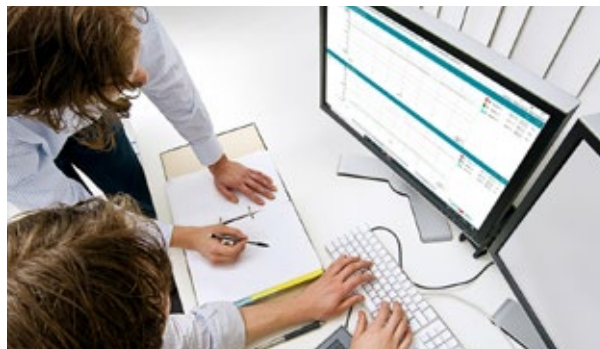
In cell exposure, relative humidity is a key factor for cell viability – this is even more important at longer exposure durations. With the new RH/T Controller set VITROCELL® has brought the technology from the Automated Stations to custom configurations.

The sensors are available in 2 insertion lengths (35 mm and 65 mm). They come calibrated with a factory certificate. Re-calibration can be performed using the VITROCELL® Monitor software.

VITROCELL® Monitor Software

The VITROCELL® RH/T-Controller can be operated as standalone version with a 3,5" display or by connection to the VITROCELL® Monitor Software. Here the data is plotted and can be exported as Excel or csv file.

The VITROCELL® Monitor software is also available as GLP Edition. This upgrade assures tracability to high standards.



Key Features

- 5 RHT sensor connection
- 3,5" LCD color display
- CANopen connection for controller/peripheral
- USB-C connection
- Typical sensor accuracy of $\pm 1.5\%$ RH and $\pm 0.2\text{ }^{\circ}\text{C}$
- Fully calibrated, linearized and temperature compensated digital output
- Reliable ODU connector
- Hermetically sealed holder

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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