



domatec

Technology & Services for Facility and Hygiene

SIMPLY SAFE



Robert Priller, Managing Director



Technical Safety – Identify and manage threats

Humans need air and water in order to survive. And the quality of these elements has a major impact on our health and wellbeing. A wide variety of biological, chemical and physical factors can affect us when we are inside, which is where we spend most of our lives nowadays. Their impact on our health cannot be simply ruled out.

For over 20 years now, domatec GmbH has been the reliable partner for all aspects of testing, evaluating, improving and documenting the hygienic quality of drinking water and indoor air. Customers from the commercial industrial sector, public authorities, the real estate sector, and the construction industry, as well as experts, place their trust in our high-quality laboratory and engineering services. The solution-oriented and interdisciplinary guidance of our highly specialised staff is particularly appreciated. In more recent years, the company has established its own

Research and Development Department that works with renowned universities, colleges and partners to develop innovative products that are used in laboratories worldwide. This makes us proud and motivates us to put even more energy into the development of future-oriented products and patents.

However, in order to be able to continue this positive development into the future, including with regard to my succession, I have decided to hand over the reins of domatec to ViridiusLAB AG in the summer of 2022. This will expand our service portfolio to include the expertise of our partners in the European-wide network of testing laboratories.

You, our dear customers and partners, will continue to be at the centre of our efforts to identify and manage threats. We will continue to be in close proximity with our customers through our headquarters in Mühldorf am Inn and our seven other branches located throughout Germany.

Sincerely,

Robert Priller
Managing Director



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Multicollector – For a reliable air-quality analysis

The measurement and evaluation of bioaerosols, including their microbial components, at work or at home are challenging. Multi-layered sources of such bioaerosols, such as structural moisture damage or contaminated indoor ventilation systems and the exposure to these, can negatively impact people's health. In particular, mycotoxins, which are microbial components of interior-relevant fungi, and endotoxins, which are cell wall components of bacteria, represent a specific health hazard even when they are present in low concentrations.

Our Research and Development Department has recently been able to develop a large-volume air collector for various analytical questions and measurement methods indoors. This new development is called the Multicollector. This measuring instrument can be used, for example, to measure endotoxins in certain work environments in accordance with the international standard DIN EN 14031:2021. Endotoxins have now been scientifically recognised as a major cause of rheumatoid arthritis.

When buildings become damaged due to moisture, the indoor air may become contaminated by mycotoxins. These toxins, which are quite carcinogenic, are released under certain conditions by some types of moulds and endanger the health of people who are in those rooms. The Multicollector is capable of detecting these molecular compounds so that their presence can be qualitatively and quantitatively ascertained in the laboratory.



**MULTI
COLLECTOR®**
Ganzheitliche Raumluftanalytik Holistic Indoor Air Analysis

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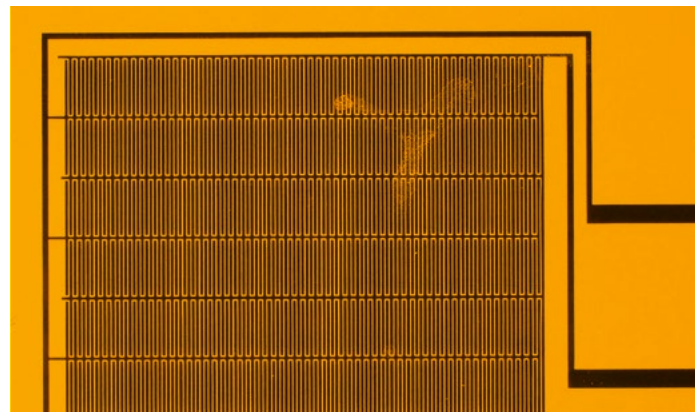


FLOWTEMP® STX – Compact, precise and fast

To ensure hygienic drinking water, the regular measurement of the temperature and flow rate of water systems is essential. The flow rate and water temperature can be measured comfortably, simultaneously, immediately and accurately by using the innovative FlowTemp® STx measuring device, even if the water fittings are placed relatively low. That is why this technology is perfectly suited for analysing drinking water systems in order to detect any hazards (according to the German Drinking Water Regulations § 16 (7) as well as for documenting building inspections.

The highlights at a glance:

- Easy to use
- Quick measurement results
- TÜV tested
- Handy, compact design
- High-quality manufacturing "Made in Germany"
- Proprietary, internationally unique technology
- Latest Bluetooth® technology
- Intelligent data processing



Electrochemical bacteria detection

Find the right biosensor to measure your water quality. For several years, domatec GmbH has been developing new technology in cooperation with commercial partners and research institutions (TU Munich, Kempten University of Applied Sciences, etc.) Bio-sensors for use in aqueous media. One of our biosensors is able to determine the total colony count in technical waters based on the impedance measurement principle. This sensor is ideally suited for applications designed for periodic water testing in evaporation coolers or air humidification equipment in air conditioning systems.

Advantages of the Biosensor:

- Inexpensive
- Quick laboratory-quality results
- Quick response time and high reliability

Both the evaluation and analysis are performed directly in our handheld device, which also provides an interface to mobile devices. Measurement data can be sent live to an app via a Bluetooth connection.

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Air quality

The replacement of air is the most important measure to ensure air hygiene. That is why, ventilation systems are used in office and production buildings in addition to ventilation by opening windows. Loss events, for example caused by poor maintenance of such equipment, tap water damage or emissions from building materials and production facilities, can contribute to undesirable substances affecting air quality or even causing permanent damage to our health. In addition to particulate

matter, fibres, formaldehyde, volatile organic compounds, bio-aerosols, bacteria, etc., physical factors such as infrasound, drafts, and radiant heat can also affect well-being and health. When it comes to air hygiene, domatec GmbH has extensive know-how, the necessary modern measurement technology and interdisciplinary expert personnel, which ensures that it can properly support end customers, specialised companies and building managers with preventive measures, e.g. regular hygiene inspections and risk assessments of technical systems. If there is damage or a loss, target-oriented solutions can be developed to make sure that perfect hygienic conditions are restored.

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Water quality

The quality of drinking water must be unquestionable at all consumer taps. Nonetheless, certain risks may arise during the distributive flow of water throughout buildings due to the pipe materials used, the heating of drinking water, and stagnation caused by infrequent use. Periodic testing for bacteria, such as legionella, or for determining the presence and quantity of heavy metals, such as lead, copper and nickel, is mandatory by law. In order to ensure that water can be safely consumed by customers, additional hazard and risk assessments concerning the technical processing and distribution systems must also be carried out by engineers and technicians.

A water safety plan is required by the WHO (World Health Organization) for the continuous quality assurance of drinking water quality in hotels, hospitals, pharmaceutical or food production facilities, swimming pools, public buildings and water service suppliers. domatec GmbH has been successfully active in the field of water hygiene for many years. Our work has been particularly helpful for international hotel groups as well as for hospitals, clinics and health care facilities. Regular checks and inspections, the review of necessary processes and internal audits ensure that the drinking water supply is safe to consume.

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zur Prüfung der Wasserqualität
-  **Desinfektionsverfahren**
zur Trinkwasserqualität & Raumdesinfektion
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für effektivere Reinigung
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LEITERMANN
WASSER- & LUFTHYGIENE



Laboratory services

As an accredited testing laboratory according to DIN EN ISO/IEC 17025:2005 and as an approved testing laboratory according to § 15 of the German Drinking Water Regulations, we are authorised to carry out chemical and microbiological tests of air, water or building materials. Bacteria, such as Legionella, moulds and their metabolites, such as mycotoxins, chemical pollutants or corrosive influences contained in closed water circuits of technical systems are reliably localised and analysed.

Highly qualified experts and state-of-the-art analytical technology guarantee that a precise laboratory analysis can be carried out with valid test results and comprehensive, software-based documentation. In addition to the standard analyses required by the health authorities, we also carry out special analyses according to customer requirements.

Training

In cooperation with DFLW e.V. and ÖFLW e.V. we offer a variety of training courses according to VDI 6022 (indoor air hygiene), VDI 6023 (drinking water hygiene) and VDI 2047 (evaporative coolers). We also offer seminars concerning sampling, hazard analysis, energy efficiency and hygiene. The courses are held in Germany, Austria and Switzerland by VDI-certified instructors and can also be held in our own training rooms with modern presentation equipment in Mühldorf am Inn.

For more information as well as registration information, please click the following link www.dflw.info.



Software from domatec GmbH

The importance of legally compliant technical documentation in building management continues to grow. For this reason, the constant updating of standards and guidelines becomes a major challenge. We can offer help with our innovative software solutions that were developed in-house. Our well-designed programmed systems not only adapt to the existing laboratory workflows, but they also visualise complex interrelationships, access databases, and offer user-friendly and time-saving tools for documentation and analytical purposes in the field of air and drinking water hygiene.





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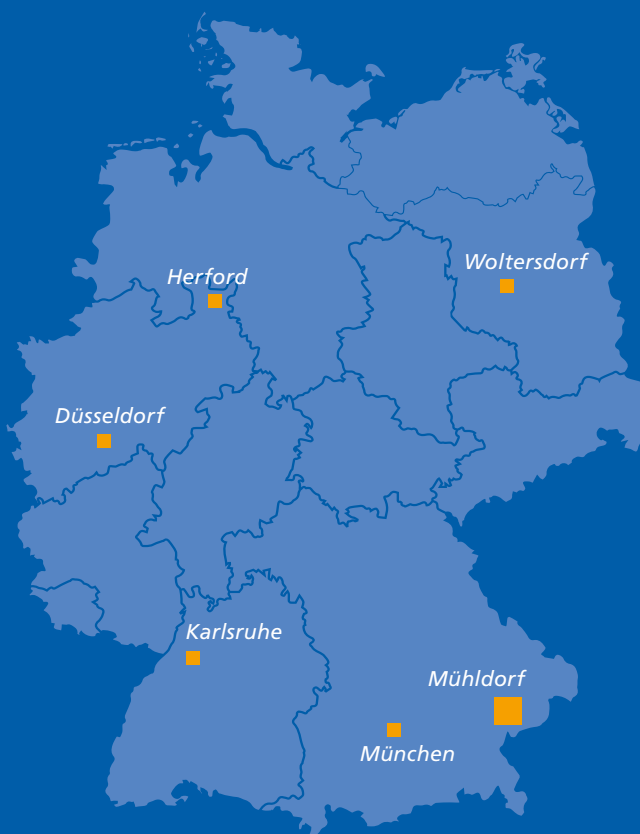
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