

# Highly accurate and affordable standardized VOC emission test chambers

**olfasense** ::::

From Odour Data to Odour Knowledge

## Characterize VOCs under precise test conditions

The quality of indoor air is strongly influenced by volatile organic compounds (VOCs) released from materials and products, including construction and building products as well as furnishing, but also vehicle interior parts and materials.

The determination of these VOC emissions is done using emission test chambers, as described in common European and international, as well as specific manufacturer standards.

Olfasense VOC emission test chambers allow characterization of the emissions of volatile organic compounds under precise test conditions and are fully compliant with the requirements of these standards.



### Our chamber portfolio enables you to run various testing methods, such as:

- ▶ EN 16516
- ▶ EN 717-1
- ▶ GEV testing method
- ▶ ISO 12219-4
- ▶ ISO 16000-9
- ▶ EN 16738
- ▶ GS 97014-2 (BMW)
- ▶ GS 97014-3 (BMW)
- ▶ PN 780 (Porsche)
- ▶ PV 3942 (VW)
- ▶ VCS 1027,2769 (Volvo)
- ▶ VDA 276

**Available chamber volumes:** 110 l · 225 l · 240 l · 250 l · 1 m<sup>3</sup>  
Other chamber volumes available on request.

Our chambers have been developed in close cooperation with experts from industry and research, and can be delivered with with active or passive temperature control. Our portfolio also includes customised VOC chamber testing accessories.

For technical specifications on the different available chambers, please contact **Marc Andresen** ([mandresen@olfasense.com](mailto:mandresen@olfasense.com); +49 431 220 12 14).

We also invite you to use our laboratory showroom for a trial run, to perform your own tests and experience our chambers at first hand. Our Olfasense engineers will gladly assist you with your individual trial run.

## Testimonials

Find out what our clients think about our VOC emission test chambers:

*"We have been using Olfasense's emission test chambers since market launch and we are very satisfied with both the product and the service. In our recent ISO 17025 accreditation audit, the installed emission test chambers have been successfully approved by the German accreditation body DAkkS, and are now included under the accreditation scope of Hohenstein Textile Testing Institute."*

- Rainer Fusenig, Assistant Head of Laboratory, Hohenstein Textile Testing Institute

*"DSM Coating Resins makes products used in paints and lacquers, and is driven to low VOC emissions. For our VOC measurements, we have been using Olfasense's EK250 emission test chamber for half a year now. We are very content with both the installation and the service of Olfasense. The EK250 is robust and easy in use and it meets our expectations as we are now fully compliant with the ISO 16000-9 standard."*

- Diane de Bruijne, R&D associate scientist, DSM Coating Resins

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## About Olfasense

Olfasense is the world-leading supplier of odour laboratory technology, which is used by more than 400 laboratories, research institutes, universities and companies worldwide.

In our daily work, we also offer specialist odour consultancy services to evaluate products and materials. Besides using sensory evaluation techniques, we help our clients to understand the chemical composition of air samples in terms of specific VOCs.

Olfasense has also been part of the mirror committee to ISO/TC 146/SC 6/WG 14 „Determination of odour emissions from building products using test chambers (ISO 16000-28 and ISO 16000-30)“.

Jointly with the Federal Institute for Materials Research and Testing (BAM), Olfasense has developed an Acetone Comparative Scale for odour evaluation, which is fully compliant with the requirements of the standard ISO 16000-28 and ISO 16000-30.

Olfasense is the sole provider of interlaboratory comparisons according to EN 13725 and VDA 270 worldwide and has been accredited since 2005. In addition, Olfasense is regularly organizing VOC proficiency tests for the automotive industry.

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