

Hilden, Germany, August 2024



CETA online seminar program in the 2nd half of 2024

Practical knowledge for industrial leak and flow testing

CETA Testsysteme GmbH is a manufacturer of test devices and solution partner in industrial leak and flow testing for more than 35 years. Several thousands of CETA test devices are used worldwide in production lines for quality control.

In order to provide comprehensive support for users, CETA has been offering practical online seminars since 2021, which are held in both German and English as part of the 'CETA Digital - From practice to practice' program. The current seminar program for the second half of 2024 contains a variety of seminars focusing on different topics and addressing different target groups.

One of the seminars, 'The most important ASAPs for leak testing with compressed air', provides memorable rules of thumb based on the abbreviation ASAP. These rules contain important aspects that must be considered when integrating leak testing into the production process and are explained using practical examples.

A 3-part seminar series is aimed in particular at machine builders and internal production equipment manufacturers. It deals in depth with topics relevant to the design, realisation and commissioning of leak and flow test stations. Participants will receive valuable tips and an overview of the selection criteria for leak testing technology, taking project planning data into account. In addition, frequently occurring test situations are dealt with, taking into account special product characteristics, and the systematic procedure for commissioning and testing the device is explained.

Another seminar focuses on the leak testing of products with pressure compensation elements. Temperature-related pressure fluctuations can cause a vacuum to build up inside encapsulated products. Cyclical heating and cooling stresses the seals and can lead to leaks. To reduce this risk, pressure compensation elements are used for ventilation. These enable pressure equalisation while at the same time protecting against oil, water and particles. This seminar deals with special features and practical approaches to testing products with pressure compensation elements.

An additional focus is on analysing the measuring systems capability based on the capability index Cg. This method is widely used in dimensional metrology, but cannot be easily transferred to industrial leak testing. A guideline for carrying out the measuring system

capability analysis will be presented in a specially focussed seminar. Practical approaches for optimisation measures are also presented if the required Cg value is not achieved.

Overview of dates and topics of the CETA online seminars in the second half of 2024

- | | |
|------------|--|
| 10.10.2024 | The most important ASAPs for leak testing with compressed air
Useful Tips for the practice |
| 24.10.2024 | Basic seminar for special machine builders
Conception and realisation of leak and flow test benches |
| 31.10.2024 | Expert seminar for special machine builders
Tips and tricks for designing leak and flow test stations |
| 07.11.2024 | Professional seminar for special machine builders
Commissioning and operation of leak and flow test stations |
| 21.11.2024 | Leak testing of products with pressure compensation elements
Membrane properties, filling process, test procedure |
| 05.12.2024 | Measuring system analysis for leak testing with compressed air
Problems and solutions |

The 1-hour seminars will be offered in English at 10 a.m. and in German at 3 p.m. on the day of the event. Participation is free of charge. Registration is possible on the homepage of CETA Testsysteme GmbH www.cetatest.com.

CETA will continue the series of online seminars in 2025.

Press release: 466 words / 3.897characters with spaces



Image: CETA Testsysteme GmbH

CETA Testsysteme GmbH - Solution partner for industrial leak and flow testing

CETA Testsysteme GmbH, based in Hilden near Düsseldorf, Germany, was founded in 1988 and has been active for more than [35 years](#) as a manufacturer of physical measurement instruments used in leak tests and flow measurements. Compressed air is used as test medium. This testing procedure is characterised by the fact that it can be integrated in the production line with high process reliability.

The test equipment "[Made in Germany](#)" is developed in-house and along with the components and accessories (e.g. calibration standards) are manufactured by CETA. This takes into account the high demands on the quality of the internal modules used. A comprehensive range of test devices means that the right solution can be found for almost any testing application.

Semi-automatic test stands are also offered. The test devices are used by customers for quality assurance, quality control and [production assurance](#). The customers are mainly from the automotive industry, medical technology, heating and air conditioning industry, energy sector, fittings and household appliances industry, packaging industry and e-mobility.

The company is certified according to DIN ISO 9001 and won the Quality Award of North Rhine Westphalia in the industry category in 2002. Since 2012, CETA has been consistently certified with a very good credit rating.

The calibration laboratory was accredited in 2004 by the German Calibration Service (DKD) and in 2014 by the German Accreditation Body (DAkkS) - as the successor to the DKD - as a [DAkkS-accredited calibration laboratory](#). The DAkkS-accredited calibration (compliant with the [DIN EN ISO/IEC 17025](#) standard) meets the requirements of the IATF 16949 standard applicable in the automotive industry.

CETA Testsysteme GmbH is the first German manufacturer of leak testers to deliver its test equipment with DKD- or DAkkS-accredited calibration certificate as standard since 2004. From mid-2024, flow testers as well as pressure manometers and calibration standards will also be supplied with a [DAkkS-accredited calibration certificate](#) as standard and at no extra cost on initial delivery.

The comprehensive range of services includes consulting, feasibility studies, commissioning, training, maintenance and calibration.

With cooperation partners in China, India, Indonesia, Mexico, Poland, Portugal, Singapore, Thailand, the Czech Republic, Turkey and Hungary and with thousands of test devices in use

all over the world, CETA Testsysteme GmbH presents itself as a competent solution partner for industrial leak and flow testing.

CETA profile: 2629 characters with spaces

CETA Testsysteme GmbH

Marie-Curie-Str. 35-37

40721 Hilden, Germany

Tel.: +49 2103 2471-0

E-mail: info@cetatest.com

Internet: www.cetatest.com

Press contact:

Dr Joachim Lapsien

Head of Product Marketing

Tel.: +49 2103 2471-19

joachim.lapsien@cetatest.com