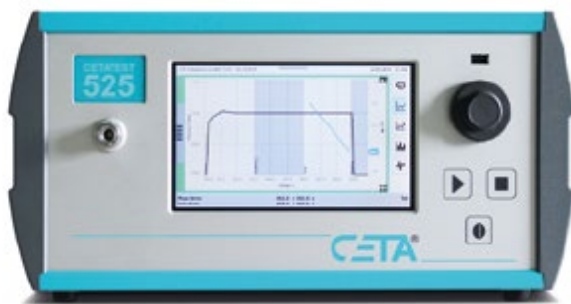


Hilden, Germany, May 2023

### **New CETA leak testers in the fourth generation**

For more than 35 years, CETA Testsysteme GmbH, Germany, has been active as a solution partner in the specific field of industrial leak testing and flow measurement. Several thousand CETA test devices are in use worldwide for quality assurance in production lines.

After the differential pressure tester CETATEST 825 has been available for some time, CETA presents further variants of the fourth generation of CETA test devices with the leak testers CETATEST 525 and CETATEST 725. Compressed air is used as the test medium.



CETATEST 525 leak tester for leak testing small-volume products

The differential pressure leak tester CETATEST 525 (successor of the CETATEST 515) has a very small measuring circuit volume and has been specially developed and optimised for leak testing of small-volume products. It is suitable for leak testing e.g. miniature valves, microswitches, RFID transponders, sensors, relays. In the "pressure loss" version, direct fillable test parts can be tested at a high cycle rate. The "sealed component with high resolution" version enables process-safe testing of encapsulated products. The smallest differences in volume from 0.03 cm<sup>3</sup> with a basic volume of 10 cm<sup>3</sup> can be reliably detected. For small-volume parts, the total testing time is only in the range of a few seconds.

The relative pressure leak tester CETATEST 725 (successor of the CETATEST 715) can be used for leak tests with leakage-related pressure gradient in the order of 20 Pa/s (at test pressures below 1 bar) or 30 Pa/s (at test pressures above 1 bar). A gauge pressure sensor is installed in the test device. This is

used to monitor the test pressure. In pressure loss mode, its signal is amplified. This results in cost advantages compared to a differential pressure leak tester in which two sensors are used (gauge pressure sensor for test pressure monitoring, sensitive differential pressure sensor for pressure loss measurement). Which test device type is suitable for the specific application depends in particular on the permissible leak rate and the test part volume that can be filled.

The CETATEST x25 series has a housing with 4 height units and an integrated 7-inch touch screen. The intuitive and user friendly interface allows the display of a wide range of information (e.g. measurement curves, histograms). The combination of the advantages of a real-time capable micro-controller system for measurement data processing and an industrial PC architecture results in a wide range of possibilities. The ring buffer allows the storage of more than 1 million measured values. A total of 256 test programs are available.

The CETATEST x25 testers are fully interface-compatible with the predecessor series CETATEST x15. The established application software "CETA Soft 2G" can also be used with the new device series. A variety of bidirectional industrial interfaces are available, so that the CETATEST x25 series is well prepared for Industry 4.0 requirements.

As with the previous series, all leak testers of the CETATEST x25 series are supplied cost-neutral with a DAkkS calibration certificate (compliant with DIN EN ISO / IEC 17025) and a 3-year warranty (with optional extension to 5 years).

Both leak tester types will be available from the 3rd quarter of 2023. Further device variants (volume flow and mass flow testers) as well as multi-channel devices will follow soon.

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

CETA Testsysteme GmbH, based in Hilden near Düsseldorf, 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 and hydrogen are used as test media. These testing procedures are characterised by the fact that they 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, fittings and household appliances industry, packaging industry and e-mobility.

The company is certified according to DIN ISO 9001 and won the NRW Quality Award in 2002 in the industry category. 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 calibration laboratory. The DAkkS 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 calibration certificate as standard since 2004. Since 2012, CETA has been consistently certified with a very good credit rating.

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

With cooperation partners in China, India, Indonesia, Korea, 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: 2367 characters with spaces**

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