

For the trade press, Hilden, February 2015

Leak Tester Series CETATEST 815 with Automatic Function Control

Diagnostic function to improve process reliability

For leak-testing integrated in the production process, it is essential to have a device that works reliably, provides reproducible test results, and is correctly calibrated.

In the case of leak tests using compressed air, the pressure decay is measured during the measurement phase. A differential pressure sensor is often used for this purpose. The part passes if the measured pressure decay does not exceed the limit for permissible pressure decay.

An additional function has been developed and patented by CETA in order to check the correct calibration of the differential pressure sensor: the "automatic function control". This function is optional and can be integrated in the devices of the CETATEST 815 series. It allows automatic checking of the correct and defined deflection of the test device at the parameterized operating point. This process consists in measuring and evaluating the effect of a defined pressure pulse on the measurement system. One of the advantages of this function lies in the possibility to perform the function control after a freely selectable number of test cycles (this can also be at each test cycle) without having to activate a particular program. The function control is performed in the real test environment and there is no need to use a specially prepared test part. An integrated monitoring process is therefore taking place. However, this function does not replace the use of a calibration standard, which allows independent checking of the calibration as required, for example, for inspection equipment monitoring.



CETA Testsysteme GmbH

Solution Partner for industrial Leak Testing and Flow Measurement

The company CETA Testsysteme GmbH was founded in 1988 and is a manufacturer of physical measurement devices for leak testing and flow measurement. Compressed air and hydrogen are used as test media. These testing procedures can be integrated in the production line with high process reliability.

The test devices („Made in Germany“) are the company’s own developments and the components and accessories (e.g. calibration standards) are manufactured in-house. This ensures that the high quality requirements for the internal modules are met right from the start.

Due to different test device technologies and a wide scope of pressure and measurement ranges nearly every test requirement can be fulfilled. An integrated control of the correct test device function guarantees a high standard of process reliability. The scope of products also includes semi-automatic test stands. The test devices are used by the customers for quality assurance, quality control and production assurance. The customers mostly come from the fields of automotive industry, medical technology, heating and air-conditioning industry, fittings and household appliances industry.

The company is certified according to DIN ISO 9001 and won in 2002 the quality award NRW in the category Industry. The calibration laboratory has been accredited 2004 as DKD calibration laboratory and 2014 as DAkkS calibration laboratory by the Deutsche Akkreditierungsstelle (DAkkS) – as follower of DKD. DAkkS calibration (in accordance with the standard DIN EN ISO 17025) complies with the requirements of the ISO / TS 16949 standard, valid in the automotive industry. CETA Testsysteme GmbH is the first German manufacturer of leak-testers whose devices are serially supplied with DKD/DAkkS calibration since 2004.

The wide range of services includes consulting, feasibility analysis, commissioning, training, maintenance and calibration.

With cooperation partners in France, Spain, the Czech Republic, Hungary, Poland, Turkey, Korea, China, Thailand, Singapore, Indonesia 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 testing and flow measurement.

Contact person for inquiries and further information

CETA Testsysteme GmbH

Marie-Curie-Straße 35-37 | 40721 Hilden | Germany

www.cetatest.com

Dr. Joachim Lapsien - Head of Sales and Marketing

☎ +49 (0)2103 2471 19

📠 +49 (0)2103 2471 76

joachim.lapsien@cetatest.com