



Visit us at Motek 2019 in Stuttgart, 07. - 10.10.2019, Halle 3 / 3320  
Free tickets +49 2103 2471-75 or [sales@cetatest.com](mailto:sales@cetatest.com)



Dear Readers,

CETA has been manufacturing its own test devices since 1996. And this year we introduce the CETATEST 825, the fourth generation of differential pressure testers. With a multitude of technical innovations it is the follower of the successful CETATEST 815 series. The first test devices will be available in the fourth quarter of 2019. Visit us at our **Motek** and **COMPAMED** booths and get a first impression.

We are looking forward to meeting you

Günter Groß - Managing Director

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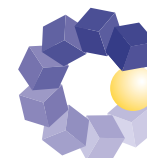
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### CETA and Gaedigk are again exhibiting together at the COMPAMED 2019 trade fair

Gaedigk Feinmechanik & Systemtechnik GmbH and CETA Testsysteme GmbH have been working together for more than 10 years. In 2018, CETA and Gaedigk exhibited together at the COMPAMED trade fair. COMPAMED is part of the world's largest medical technology fair MEDICA and an international trade fair for the medical supplier industry and product development.

Also at the COMPAMED 2019 there will be a joint trade fair appearance under the slogan „**Competence in construction and testing technology**“. Practical solutions for the handling and testing of medical devices will be demonstrated.

#### COMPAMED



18. - 21.11.2019  
Hall 8a / L25  
Düsseldorf / Germany

### CETA exhibits at the third industry meeting Lüdenschied 2020

The third **Branchentreff-Lüdenschied** will take place on 06.02.2020 and will be organized by the Kunststoff-Institut Lüdenschied. More than 140 companies from the supporting association of the Kunststoff-Institut will present their range of products and services. CETA is a member of the supporting association and provides solutions in the field of leak and flow testing.

110 exhibitors took part at the last industry meeting in Lüdenschied in 2017 and more than 1,000 visitors were registered. Here you can register as a visitor free of charge: [kunststoff-institut-luedenschied.de/veranstaltung/3-branchentreff-luedenschied-innovationen-fuer-die-kunststoff-industrie/](http://kunststoff-institut-luedenschied.de/veranstaltung/3-branchentreff-luedenschied-innovationen-fuer-die-kunststoff-industrie/)

### Limited stock of CETA demonstration units at attractive conditions

We replace our stock of demonstration devices at regular intervals. These are used for demonstrations, trade fair presentations and tests. These devices are in very good condition and we can sell them to our customers at an attractive discount. Of course the test devices are maintained, calibrated and sold

with full 3-year warranty. Leak testers with a pressure range from -1 bar to 60 bar are delivered with a DAkkS calibration certificate without any extra charge. Use this opportunity for an inquiry!

## Important service information for CETA 800 test devices

The first generation of CETA leak testers, the **CETA 800 series**, was introduced to the market in 1996. Currently, the fourth generation of the CETA leak tester series, the **CETATEST 825**, is in the market launch phase. A significant number of CETA 800 testers has been in use for more than 20 years. The longevity of the CETA 800 series is very satisfying and a sign of quality. Unfortunately, not all components are available or are discontinued for this type of device. This also has effects on necessary repairs of this device type. This circumstance leads to the



fact that for the CETA 800 series the repair-related overhaul can no longer be guaranteed as of 01.01.2020 (except the CETA test devices with the special firmware S 4.18). However, maintenance and calibration are still possible. If the customer does not have any replacement device for this type of device, this can lead to production problems if the device fails irreparably. CETA will be happy to discuss solutions with you. We can offer you **attractive special conditions** for the replacement of CETA 800 test devices and the change to the current test device series.

## CETA offers save the customer's budget

In economically troubled times, investments are viewed particularly critically, so that a project is not continued or temporarily stopped. On the other hand, there is a need to develop up-to-date products. CETA supports customers with financing instruments such as **instalment payments** and **hire purchase**. You can relieve your budget by investing over a longer period of time. In the case of hire purchase, there is

the possibility of testing the test device before purchase and to have the rent credited proportionately to the purchase of the test device. A **maintenance contract** enables the reduction of costs for maintenance and calibration, combined with the advantages of preferential treatment when scheduling. This ensures trouble-free operation of the test devices and thus your production quality.

## CETA Practical Tip: Real-time capability of CETA test devices

Real-time capability is regarded as an important (performance) feature on which users often attach particular importance. Manufacturing companies must produce fixed target quantities in order to meet the order situation and to be able to serve their customers reliably. It is not beneficial if individual phase times of the production process cannot be precisely determined and fulfilled. In some cases even just a few milliseconds are of importance.

Unfortunately, there are still many misunderstandings about the use of the term „real-time capability“.

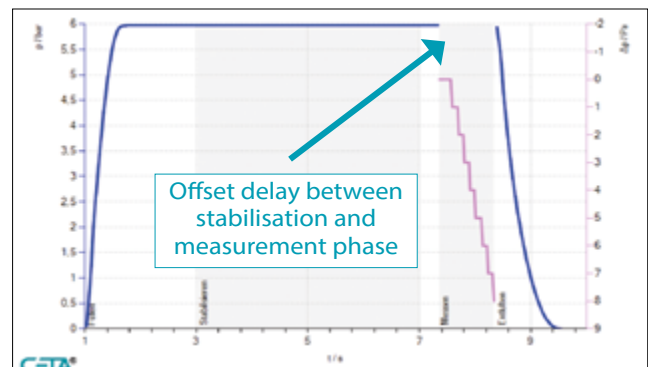
Users occasionally add the parameterised phase times for the filling, stabilising, measuring and venting process of a leak test cycle. When measuring the total cycle time (e.g. time between two start readiness), a difference to the previously formed sum is determined, which then frequently leads to doubting the real-time capability of the test device.

The time difference between the sum of the parameterised phase times and the actually measured cycle time does not contradict the real-time capability.

During application discussions, CETA always points out that exactly defined delay times, e.g. for offset measurement, must be taken into account in the sum formation of the total cycle time. Due to the dynamic, pneumatic processes, for example, a delay of 160 ms between stabilisation and measurement phase is required for differential pressure offset measurement.

If a system is able to process a certain task within a guaranteed period of time, this is called „real time capability“.

**All CETA test instruments are real-time capable.** The duration of the test phase consists of the sum of the phase times and the delay times. All times are also displayed graphically, e.g. using the application software CETA Soft 2G.



Delay times in CETA test instruments are not „hidden“ in test phases, as it is the case with other manufacturers. Each test phase lasts exactly as long as parameterised.