

Leak Tester CETATEST 715 LV



CETA Testsysteme GmbH

CETA is a manufacturer of physical test devices - **Made in Germany** for industrial leak testing and flow measurements in the production line. Due to different test device technologies and a wide scope of pressure and measurement ranges nearly every test requirement can be fulfilled.

Customers from the automotive industry, medical technology, heating and air conditioning industries, fittings and house-hold appliances industry, packaging industry and E-mobility use CETA test devices for quality control and production assurance.

CETA is certified according to DIN ISO 9001. Since 2004 the calibration laboratory has been accredited according to DIN EN ISO/IEC 17025 as a DKD calibration laboratory respectively as a **DAkkS calibration laboratory** for the measurand pressure (D-K-19566).

With more than 30 years of experience, longstanding excellent creditworthiness, international representations as well as several thousands of test devices worldwide, CETA Testsysteme GmbH presents itself as a competent solution partner for industrial leak testing and flow measurement.

CETA Testsysteme GmbH

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Advantages

- The CETATEST 715 LV is a fully automatic leak tester. After the start impulse of the PLC the complete test sequence is controlled by the test device
- Process-reliable detection of smallest holes
- The measured value data sets can be transferred to the PLC via the industrial interface for further evaluation. This ensures traceability of the production quality
- Prepared for industry 4.0 requirements

Quality

- Standard delivery with DAkkS calibration certificate (conform to DIN EN/ISO IEC 17025)
- 3 years warranty

- Leak tester with gauge pressure sensor for the packaging industry
- Integral leak test of large-volume-containers
- Test parts: plastic bottles, canisters, drums, IBCs (Intermediate Bulk Containers)



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Challenge

- Inline testing within the production cycle
- Large test volume
- Applying test pressure and pressure control
- Expansion by pressurisation
- Temperature effects due to the preceding blow moulding process



Realisation

- Gauge pressure tester CETATEST 715 LV for the packaging industry
- Turbo filling option for fast filling
- The filling phase is automatically terminated when the test pressure is reached
- Protective circuits integrated in the test device prevent damage to the test part and the internal sensors
- Use of sophisticated measuring technology and processing of measured values to ensure a high measurement repeatability
- Limitation of the pressure induced expansion by testing in the transport grid box for IBCs and additional downholders in the adaptation
- Effects of test parts at different temperatures are compensated (temperature measurement and switching to suitable parameterised test programs)



Gauge pressure tester CETATEST 715 LV (Large Volume)

- Pressure controller: Electronic
- Pressure range: +10 mbar to +200 mbar
- Measuring range: 5,000 Pa in 1 Pa steps
- Interface: Profinet
- Calibration: DAkkS calibration
- Test pressure monitoring
- Adjustment volume: 6,500 litres
- Turbo Filling
- Electrical control interface

