

Leak Tester CETATEST 725 LV



CETA Testsysteme GmbH

CETA is a German 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, energy sector, 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 ISO 9001. The calibration laboratory accredited by the German Accreditation Body (DAkkS) is approved for the [measurands pressure and flow of gases](#) according to DIN EN ISO/IEC 17025 (D-K-19566).

With more than 35 years of experience, long-standing 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.

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February 2025



- Leak tester for the packaging industry
- Quality tests with positive and negative overpressure
- Integral leak test of large-volume-containers
- Test parts: plastic bottles, canisters, drums, IBCs (Intermediate Bulk Containers)



Advantages

- The CETATEST 725 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 and small leakages
- Transfer of the measured value data via the industrial interface to the control system enables traceability of the production quality
- Prepared for industry 4.0 requirements

Quality

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

Challenge

- Inline testing within the production cycle
- Large test volume
- Applying test pressure and pressure control
- Expansion by pressurisation
- Reliable detection of leakages or defined holes
- Temperature effects due to the preceding blow moulding process



Realisation

- Gauge pressure leak tester CETATEST 725 LV for the packaging industry
- Turbo filling option for fast filling
- The filling phase ends automatically 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
Testing in the transport grid box for IBCs
Additional downholders in the adaptation
- Test parts with different temperatures
External temperature measurement and PLC switch to correspondingly parameterised test programs



Gauge pressure tester CETATEST 725 LV (Large Volume)

- Pressure controller: Electronic
- Pressure ranges:
+10 to +200 mbar | -800 to -10 mbar
- Measuring range: 5,000 Pa in 1 Pa steps
- Interfaces: Digital I/O, RS-232, Ethernet, Profinet
- Adjustment volume: 6,500 litres
- Electrical control output
- 256 test programs
- Memory for more than 1 million measurement results
- 7" touch screen with a wide range of graphical visualisation options

