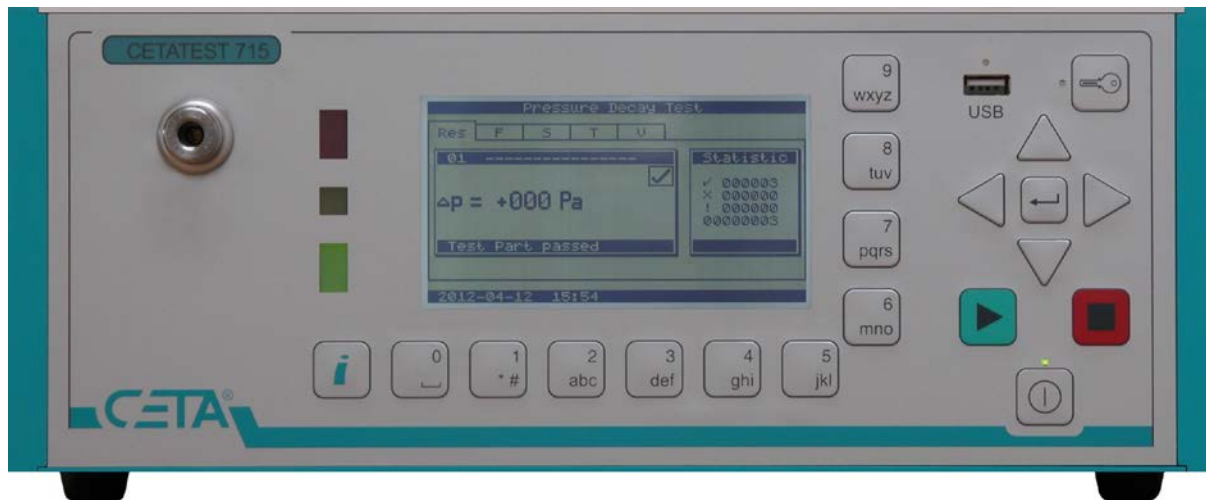


# Leak Tester CETATEST 715



<b>Operating principle</b>	The CETATEST 715 is a fully automatic working leak tester for the detection of untight parts within the cycle time of the production process. The leak tester uses a gauge pressure sensor and has a large measurement range. The pressure loss caused by the leakage in the test part is measured. Therefore the CETATEST 715 is especially qualified for the simple testing of parts with large leakages.
<b>Operating method</b>	One-channel operation
<b>Signal processing</b>	Fast 24-Bit-A/D-Converter Real-time processing of the measurement signals
<b>Valve types</b>	Depending on the application: sliding valve or poppet valve
<b>Processing</b>	Real time microcontroller system, 16-Bit $\mu$ C / 40 MHz
<b>Sensors</b>	Relative pressure sensor
<b>Measurement ranges</b>	Max. 10,000 Pa, depending on the test pressure (resolution: 1 Pa); other ranges on request
<b>Result units</b>	Pa, daPa, hPa, Pa/s, daPa/s, hPa/s, psi, psi/s, ml/min, ml/h, l/min, mbar l/s
<b>Electronically regulated test pressure ranges</b>	-1 bar, 200 mbar, 1 bar, 10 bar negative gauge pressure and positive gauge pressure ranges can be combined, other pressures and mechanical pressure regulator on request
<b>Test modes</b>	Pressure loss measurement, dynamic pressure test (option), test of closed components (option)
<b>Test options</b>	Prefill (multiple filling), program series, smooth filling, analysis of the filling and stabilizing curve, consecutive zero results, variable zero point, test repetition/automatic test time adjustment, free programmable control valves for each program
<b>System control</b>	Supply pressure monitoring
<b>Programmable test phases</b>	Delay, pre-filling, filling, stabilising, measuring, venting; reservoir filling, flooding, re-filling
<b>Test mode specific limits</b>	Prefill pressure, filling pressure, test part specific reject and rework levels
<b>Handling</b>	Intuitive menu including password protected user levels
<b>Parameter Memory</b>	64 individual parameter driven test programs with alpha-numeric program names Parameters of the test programs can be exported resp. imported via the test device interfaces or by usage of a USB storage device.



**Further functions** Detailed result statistics, cycle counter, indicator for service intervals, countdown indicator, registration of parameter change, recording of measurement series and measurement curves, Dynamic Link Library (DLL) for RS-232 interface programming

Interfaces	Function	Digital I/O (Standard)	RS-232 (Standard)	Profibus DP (Option)	Ethernet (Option)
	Start / Stop / Reset	X	X	X	X
	Program Selection	X	X	X	X
	Device Status / System Fault	X	X	X	X
	Evaluation (Pass / Fail)	X	X	X	X
	Parameterization		X	X	X
	Measurement Results		X	X	X
	Detailed Fault Messages		X	X	X

Further interfaces on request

**The optional RS-232 protocol converter enables the exchange of a CETATEST 710 that communicates via RS-232, against a CETATEST 715.**

**Power supply and power consumption** 100 – 240 V AC, 47 – 63 Hz, 0.6 – 0.3 A depending on stage of expansion max. 60 W

**Compressed air supply** 6 - 10 bar and 0,5 bar above test pressure resp. 50 mbar under evacuation pressure (ISO 8573-1)

**Pneumatic connections** Input (compressed air supply): 6 mm plug-in fitting  
Port for test part: 3 x 1.7 mm fitting, 3 mm clamping ring [option]  
Up to three pneumatically driven outputs [option]

**Dimensions** Width: 345 mm, Height: 145 mm (3U), Depth: 435 mm

**Weight** Approximately 10 kg

**Included in delivery** Special packing, power cord, operating manual and documentation on CD, declaration of conformity (CE), calibration certificate, D-Sub-plug including cable for inputs and outputs (PLC-communication)

**Warranty** 3 years in case of yearly maintenance, optional prolongation to 5 years

**Accessories (optional)** Filter combination, standard leak, leak tight 3/2-way-valve, RS-232 / Ethernet-adapter, control- and evaluation software, more in the CETA accessories catalogue

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