



Leak Tester CETATEST XS - compact, fast, cost-effective

The CETATEST XS is a compact, fully automatic leak tester for the detection of untight parts within the cycle time of the production process. The tester is designed for leak testing of small-volume test parts and short total testing times. It is equipped with a gauge pressure sensor, through which the leak-related pressure decay is detected during the measurement time (relative pressure method). Using the application software CETA Soft XS the parameterisation of the test programs is carried out. Measurement results and pressure variation curves can be recorded.

Operating methods

One-channel operation

Signal processing

24-bit-A/D-Converter

Valve type

Multi-function block

Pressure sensor

Gauge pressure sensor

Measurement ranges

$\pm 2,500$ Pa; $\pm 9,999$ Pa / ± 25.0 hPa;
 ± 99.9 hPa (depending on the pressure range)

Result units

Pa, hPa (pressure decay)
 bar (test pressure)

Pressure ranges

Internal electronically regulated:
 -1 bar / +1 bar; 0.010 - 0.200 bar;
 0.020 - 1.000 bar; 0.20 - 8.00 bar
 (external pressure regulation as option)

Maximum Deviations

Gauge pressure: 1 % *
 Specification for combined devices based on positive gauge pressure
 Pressure loss: 1 %
 referred to measuring range

Test mode

Pressure decay

Test options

Smooth filling (pressure ramp), prefilling, preventing

Programmable test phases

Delay, filling, stabilizing, measuring, venting, application-specific configurable, adjustable in 0.01 s-steps

Test mode specific limits

Fill pressure, test part specific reject and rework levels

Handling

Digital I/O or by PC software, remote control (optional)

Parameter memory

8 test programs, parameterising via CETA PC software

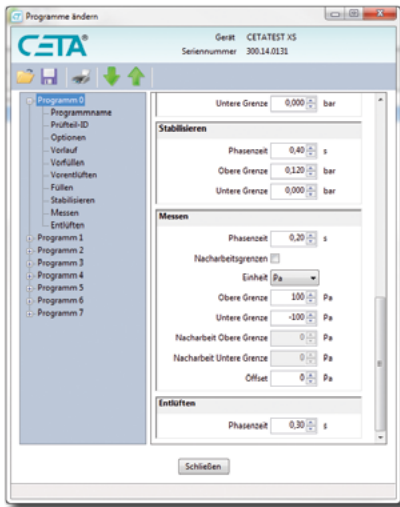
Languages PC software

German, English, Spanish, French, Turkish, Hungarian, Vietnamese, Czech

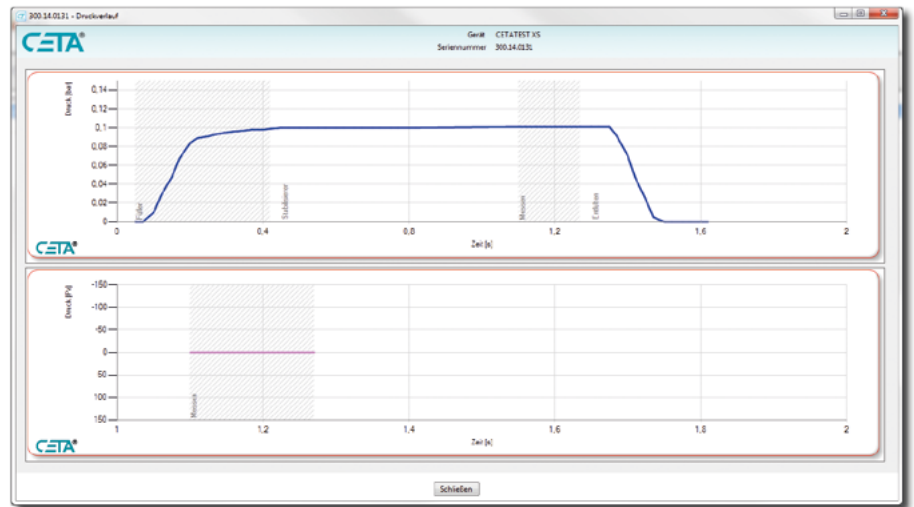
Result memory

Internal ring memory (20,000 results)

Application software CETA Soft XS



Parameterisation of programs



Visualisation pressure curve

Interfaces

Function	Start / Stop	Program selection	Device status system fault	Evaluation (Pass / Fail)	Measurement results	Parameter output	Parameterisation
Digital I/O (standard)	■	■	■	■			
RS-232 (ASCII)				■	■	■*	
USB-Slave (with CETA PC-Software)	■	■	■	■	■	■**	■

* for each result ** retrievable

Power supply / power consumption

Test device: 24 VDC, max. 20 W
 External power supply (optional)
 Input 100 - 240 VAC / 47 - 63 Hz / 1.62 - 0.72 A
 Output 24 VDC, max. 2.62 A
 UL certified power supply unit

Compressed air supply

At least 2 bar resp. 1 bar above test pressure, maximum 9.5 bar + 0.5 bar resp. 50 mbar under evacuation pressure (ISO 8573-1:2010 [1:4:1])

Pneumatic connections

Input (compressed air supply):
 6 x 1 mm fitting
 Port for test part: 6 x 1 mm fitting
 (depending on application)

Dimensions

W x H x D : 280 mm x 96 mm x 250 mm

Weight

Approx. 4.5 kg incl. external power supply

Scope of delivery

USB-cable, documentation and PC-software on CD, DAkkS-accredited calibration, EU declaration of conformity, D-Sub connector incl. cable for inputs and outputs (PLC communication), 6/4 PA tube, spare sealing caps and spare union nuts

DAkkS-accredited calibration

All leak, mass and flow testers as well as pressure manometers and calibration standards are delivered with a DAkkS-accredited calibration certificate in accordance with DIN EN ISO/IEC 17025 at no extra cost.
 DAkkS = German Accreditation Body

Warranty

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

Accessories (optional)

External power supply with UL certification, remote control, standard leak, power cord, result label printer, filter combination, more in the CETA accessories catalogue