



Application Software
CETA Soft 2G for free!



Deutsche
Akkreditierungsstelle
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CETATEST 730 – Proven reliability | High cost-effectiveness

The CETATEST 730 is a fully automatic working leak tester for the detection of untight parts within the cycle time of the production process. The method is based on measuring the pressure change in the test part due to leakage.

The leak tester uses a gauge pressure sensor and has a large measurement range. Therefore the CETATEST 730 is especially qualified for testing of products with large leakages.

The CETATEST 730 leak tester series with a gauge sensor represents a technical upgrade of the established CETATEST 725 series. It offers the same high performance and reliability as before. An optimised system architecture and the new control panel ensure a particularly attractive price-performance ratio.

System architecture

Real-time system | 24-bit-A/D-converter

Valve types

Sliding valve | Poppet valve
(depending on the application)

System features

Flow-optimized pneumatics
Integrated security functions

Pressure sensor

Gauge pressure sensor

Measurement range

Max. $\pm 10,000$ Pa, depending on the pressure range (resolution: 1 Pa)

Result units

Pa, hPa, PSI, Pa/s, hPa/s, mbar*l/s, ml/min, ml/h, l/min, l/h, mmHg, mmWs, Torr

Pressure ranges

-1/+1 bar, -1/+6 bar, -1/+10 bar, -1 bar, 200 mbar, 1 bar, 6 bar, 10 bar, 20 bar

Maximum deviations

Gauge pressure: 1 % *
Specification for combined devices based on positive gauge pressure
Pressure loss: 2 % *

Test modes

Pressure decay
Optional: sealed component, dynamic pressure, pressure steps

Additional functions

Standard: nominal pressure optimisation, prefill, pulsing, smooth filling, time resolution (0,1 s | 0,01 s)
Optional: program series, free programmable control valves

Test medium

Compressed air | Nitrogen

Operation | Display

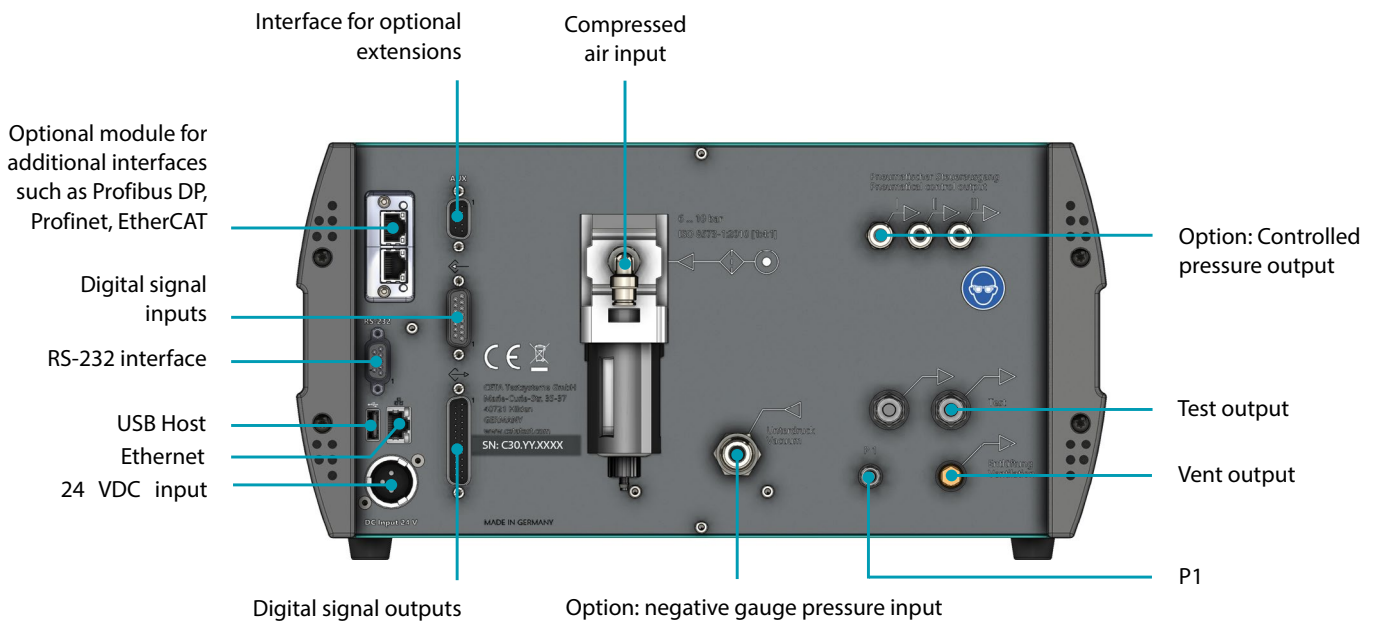
7-inch color touchscreen integrated into the glass front, illuminated start/stop buttons
Displays (phases, measurement curves, measurement results)

System monitoring

Control of the compressed air supply, consecutive zero results

Memory | Test programs

1 million measurement results
256 test programs with alpha-numeric program names
Export / import of test programs via device interfaces or by usage of a USB



Interfaces

Standard: I/O interface, RS-232, USB (host), Ethernet

Optional: Profibus DP, Profinet, EtherCAT, interface compatibility with the CETATEST 725 and CETATEST 715 series

Standardised, bidirectional interfaces enable, for example, parameterisation, transmission of measurement results, and detailed information in real time (e.g., measurement curves).

With this, the CETATEST 730 is ready to meet Industry 4.0 requirements.

Further functions

Result statistics, cycle counter, recording of measurement series and measurement curves, Dynamic Link Library (DLL), integration of barcode / QR code, user administration, export of test parameters, measurement curves and measurement series to USB storage media

User support

Setup of the leakage rate
Determination of system capability
Maintenance monitoring
Overview of parameter changes

Power supply / Power consumption

Test device: 24 VDC / max. 50 W

External power supply (optional):

Input 100 - 240 VAC / 47 - 63 Hz

Output 24 VDC

UL certified power supply unit

Air supply

6 - 10 bar, min. 0.5 bar above test pressure

resp. 50 mbar below evacuation pressure

Test devices with pressure ranges higher than 10 bar have an additional connection for the external compressed air > 10 bar.

ISO 8573-1: 2010 [1: 4: 1]

Pneumatic connections

Input (compressed air supply):

6 mm plug-in fitting

Port for test part: 6 x 1 mm fitting, 6 mm

clamping ring (option),

up to three pneumatically driven outputs (option)

Dimensions and weight

W x H x D: 367 mm x 183 mm (4 U) x 435 mm

Weight: approx. 12,5 kg

DAkkS-accredited calibration

DAkkS-accredited and internationally recognized calibration certificate (compliant with DIN EN ISO/IEC 17025) as standard and at no extra charge.

The calibration fulfills the requirements of the international automotive standard IATF 16949.

DAkkS = German Accreditation Body

Scope of delivery

Documentation on device, DAkkS-accredited calibration certificate

Warranty

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

Accessories (optional)

Power supply with UL certification, power cord, filter combination, test leak, leaktight 3/2-way valve, application software CETA Soft 2G, D-Sub connector incl. cable for inputs and outputs (PLC communication), scanner interface, CETA accessories catalogue