



Application Software
CETA Soft 2G for free!



Leak Tester CETATEST 715 Twin

The CETATEST 715 Twin 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 two gauge pressure sensors and has a large measurement range. Therefore the CETATEST 715 Twin is especially qualified for the simple testing of parts with large leakages. The gauge pressure leak tester is designed for synchronous two-channel operation and is suitable for applications in which test parts can be tested with the same settings. The channel specific adjustment of the leak thresholds is possible.

Operating methods

Two channel operation
Synchronous two channel operation,
single channel mode possible

Signal processing

Fast 24-bit-A/D-Converter
Real-time processing of the measurement
signals

Valve types

Poppet valve

Processing

Real time microcontroller system,
16-bit μ C / 40 MHz

Pressure sensors

Two gauge pressure sensors

Measurement ranges

Max. +/-10,000 Pa, depending on the
pressure range (resolution: 1 Pa), other
ranges on request

Result units

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

Pressure ranges

-1 bar, 200 mbar, 1 bar, 6 bar, 10 bar,
negative gauge pressure and positive
gauge pressure ranges can be combined,
(e.g. -1 bar / +1 bar), other pressure ranges
on request

Maximum Deviations

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

Test mode

Pressure decay

Test options

Prefill (incl. repeated filling), smooth filling,
variable zero point, free programmable
control valves

System control

Supply pressure monitoring, in the case of
test cycle interruption in one channel (e.g.
due to a gross leak) the test cycle in the
other channel continues, consecutive zero
results

Programmable test phases

Delay, filling, stabilising, measuring,
venting

Test mode specific limits

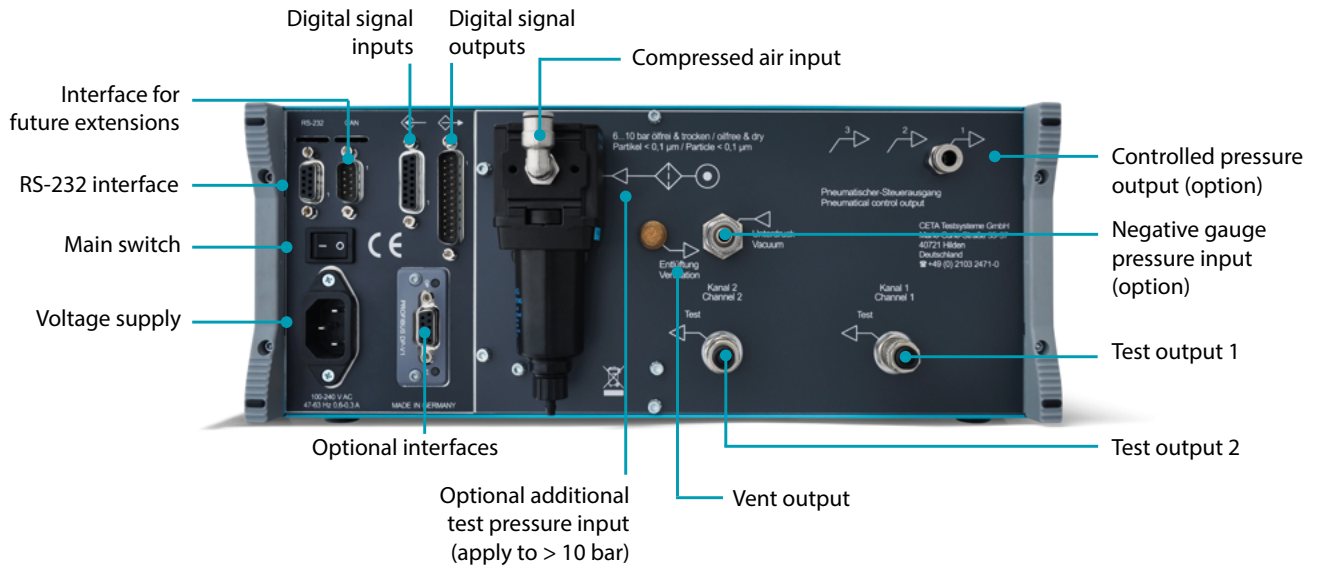
Prefill pressure, filling pressure,
test part specific reject and rework levels

Handling

Intuitive menu including password
protected user levels

Parameter memory

64 individually parameterisable 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.



Interfaces		Start / Stop / Reset	Program selection	Device status / system error	Evaluation (Pass / Fail)	Parameterisation	Measurement results	Measurement curve	Phase information in real time	Error messages
Standard	Digitale I/O	■	■	■	■					
	RS-232	■	■	■	■	■	■	■	■	■
	USB Host (Front)				■	■	■	■		
Option (one selectable)	Profibus DP	■	■	■	■	■	■	■	■	■
	Profinet	■	■	■	■	■	■	■	■	■
	Ethernet	■	■	■	■	■	■	■	■	■
	EtherCAT	■	■	■	■	■	■	■	■	■

Further interfaces (e.g. Bluetooth, WiFi & USB Slave) on request.

Further functions

Result statistics, indicator for service intervals, registration of parameter change, recording of measurement series and measurement curves, Dynamic Link Library (DLL) for RS-232 interface programming

Power supply and power consumption

100 - 240 VAC / 47 – 63 Hz / 0.6 - 0.3 A depending on stage of expansion max. 60 W Integrated power supply unit with UL certification

Compressed air supply

6 - 10 bar and 0.5 bar above test pressure resp. 50 mbar under evacuation pressure (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:
345 mm x 145 mm (3 U) x 435 mm
Weight: approx. 11 kg

Scope of delivery

Special packaging, power supply with UL certification, power cord, documentation on device, DAkkS-accredited calibration certificate, EU declaration of conformity, spare sealing caps and spare caps for union nuts coupling or spare clamp rings

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)

Filter combination, test leak, D-Sub connector incl. cable for inputs and outputs (PLC communication), leaktight 3/2-way valve, application software CETA Soft 2G, scanner interface, further accessories in the CETA accessories catalogue