



Applikationssoftware
CETA Soft 2G for free!



Deutsche
Akkreditierungsstelle
D-K-19566-01-00

CETATEST 820 - Reliability and precision in quality control

The CETATEST 820 is a high-quality and cost-effective differential pressure test device for leak testing with compressed air for directly fillable products. The differential pressure method is suitable for reliably detecting small pressure losses and leakage rates.

System architecture

Real-time system
24 bit-A/D converter

Valve type

Poppet valve

System features

Flow-optimised pneumatics
Low inherent volume of the measuring circuit

Pressure sensors

Gauge pressure sensor
Differential pressure sensor

Pressure ranges

-1 bar, 1 bar, 10 bar

Measurement range

$\pm 500,0$ Pa
(internal resolution: effective 0,01 Pa)

Result units

Pa, Pa/s, mbar*l/s, ml/min, etc.

Maximum deviations

Gauge pressure: 1 %
referred to full scale value
Differential pressure: 0.5 %
referred to measuring range

Test mode

Pressure decay

Functions

Standard: nominal pressure optimisation,
prefilling, pulsing, smooth filling
Optional: One programmable control valve

Operation | Display

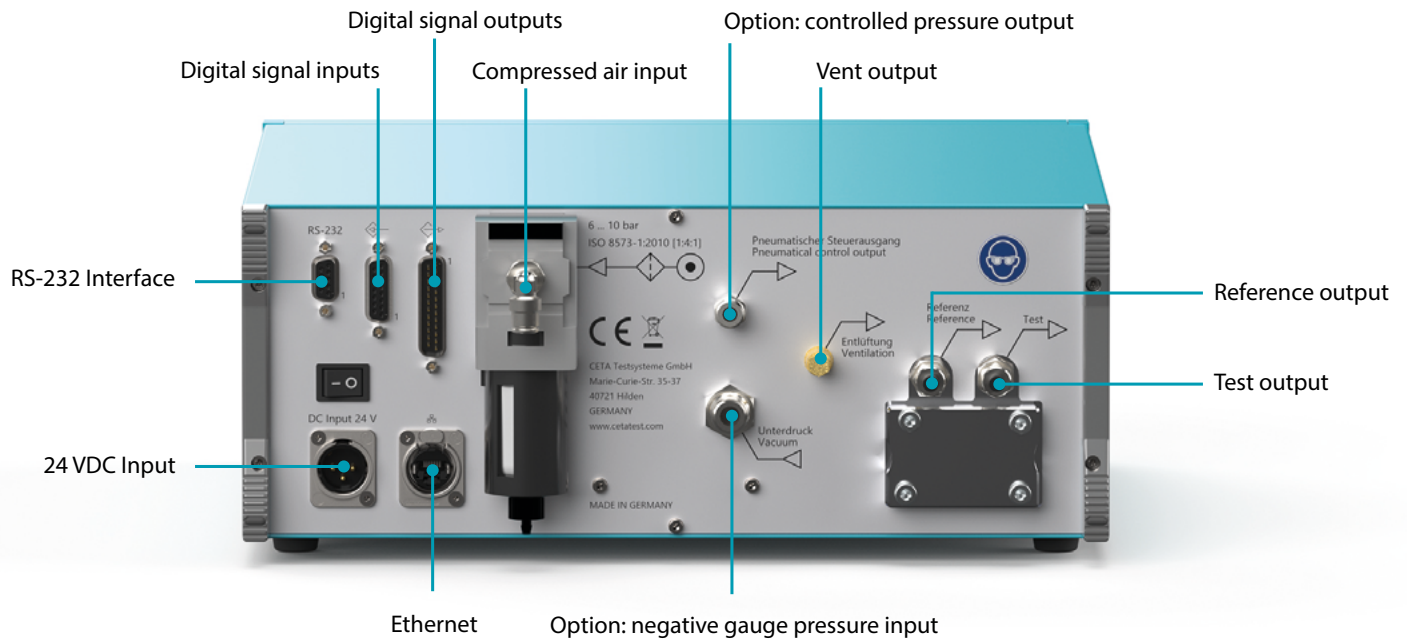
7-Zoll-Touchscreen,
separate start / stop buttons

System monitoring

Consecutive zero results

Memory

Memory for 100,000 measurement results
64 individually parameterisable test programs with alpha-numeric program names, export / import of test programs via device interfaces or by usage of a USB storage device



Interfaces

I/O-interface, RS-232, Ethernet
Optional available: Protocol activation for external Profinet gateways, recommended and tested by CETA
(Gateway not included in scope of delivery, recommendation on request)

Further functions

Result statistics, cycle counter, user administration, export of test parameters, measurement curves and measurement series to USB storage media

User support

Maintenance monitoring,
Application software CETA Soft 2G enables measurement series management and graphical visualisation (measurement curves, histogram)

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

Air supply

6 - 10 bar, min. 0.5 bar above test pressure
resp. 50 mbar below evacuation pressure
ISO 8573-1:2010 [1:4:1]

Pneumatic connections

Input: 6 mm plug-in fitting
Port to test part: 6 x 1 mm fitting
Optional: control valve 6 mm plug-in fitting

Dimensions | Weight

W x H x D: 345 mm x 145 mm (3 U) x 435 mm
Weight: approx. 12 kg

DAkkS-accredited calibration

DAkkS-accredited calibration certificate in accordance with DIN EN ISO/IEC 17025 (at no extra charge)
This calibration also meets the requirements of the international IATF 16949 standard used in the automotive industry.
DAkkS = German Accreditation Body

Scope of delivery

Documentation on device, DAkkS-accredited calibration certificate, EU declaration of conformity

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