

Leak Tester CETATEST XS



Operating principle	The CETATEST XS is a compact, cost-effective and fully automatic working leak tester for the detection of leaking parts within the cycle time of the production process. The leak tester uses a gauge pressure sensor for the measurement of the pressure decay caused by the leakage in the test part (relative pressure method).
Operating method	One-channel operation
Signal processing	24-Bit-A/D-Converter
Valve type	Multi-function block
Sensor	Relative pressure sensor
Measurement range	$\pm 2,500$ Pa; $\pm 9,999$ Pa / ± 25.0 hPa; ± 99.9 hPa depending on the fill pressure
Result units	Pa, hPa (pressure decay) bar (test pressure)
Available fill pressure ranges	Internal electronically regulated: 0.010 - 0.200 bar; 0.020 - 1.000 bar; 0.20 - 8.00 bar External fill pressure regulation as option
Test mode	Pressure decay measurement
Further test phases	Smooth filling (pressure ramp), prefilling, preventing
Programmable test phases	Application-specific configuration
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	For the last 20,000 results

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Interfaces

Function	Digital I/O (Standard)	RS-232 (ASCII)	USB-Slave (via CETA PC software)
Start / Stop	X		X
Program selection	X		X
Device status / System fault	X		X
Evaluation (Pass / Fail)	X	X	X
Measurement results		X	X
Parameter output		X for each result	X retrievable
Parameterisation			X

Power supply and power consumption

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

Compressed air supply

At least 2 bar resp. 1 bar above test 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

Dimensions

Width: 280 mm, Height: 90 mm, Depth: 250 mm

Weight

approximately 4.5 kg incl. external power supply

Scope of delivery

External power supply, USB-cable, documentation and PC-software on CD, calibration certificate, declaration of conformity, 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)

Remote control, standard leak, result label printer, filter combination more in the CETA accessories catalogue.

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