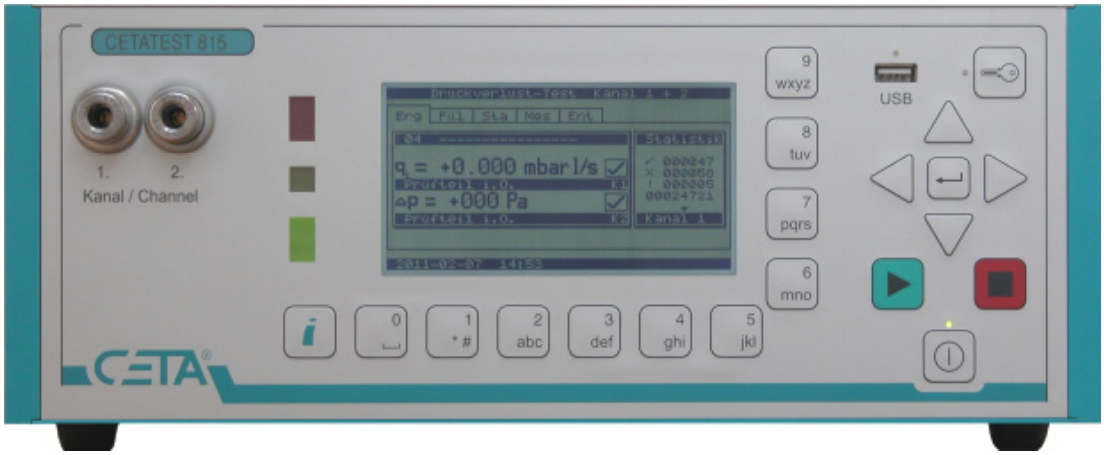
Leak Tester CETATEST 815 Twin



Operating principle	The differential pressure leak tester CETATEST 815 Twin 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. The pressure decay in the test part volumes due to leakages are compared with the pressures in the reference volumes (differential pressure method).
Operating methods	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	Seat valve
Processing	Real time microcontroller system, 16-Bit µC / 40 MHz
Sensor	One differential pressure sensor and one relative pressure sensor for each channel
Measurement range	± 500 Pa / ± 5.000 Pa (resolution: 1 Pa); other ranges on request
Result units	Pa, hPa, psi, Pa/s. hPa/s, mbar*l/s, ml/min, ml/h, l/min, l/h
Test pressure range	-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 ranges on request
Test mode / Test options	Pressure loss, Prefill, Smooth filling
System control	Still-Alive-Check with differential pressure sensor control, control of the compressed air supply 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.
Programmable test phase	Delay, pre-filling, pre-venting, filling, stabilising, measuring, venting
Test mode specific limits	Prefill pressure, filling pressure, test mode specific reject and rework levels
Handling	Intuitive menu including password protected user levels
Parameter memory	64 individual parameter driven 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.

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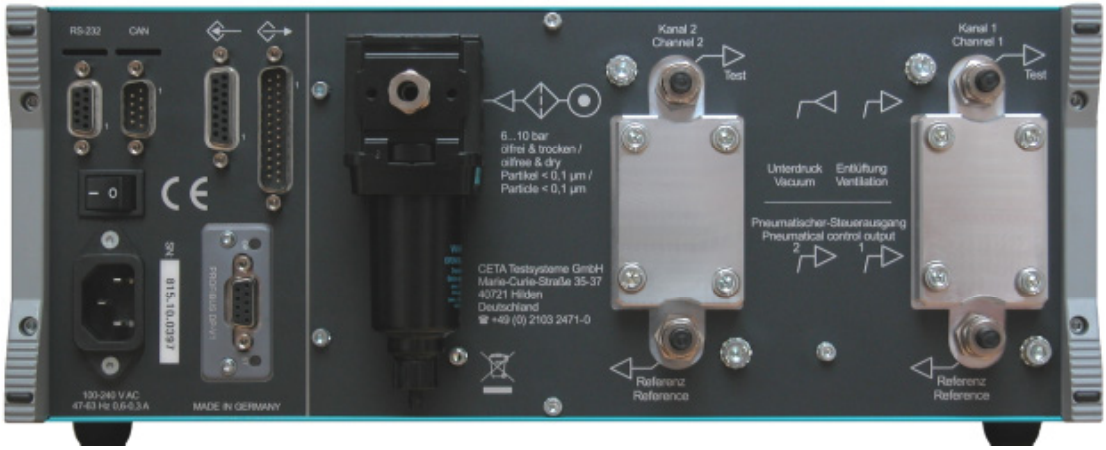

Further functions	Detailed result statistics, cycle counter, indicator for service intervals, countdown indicator, registration of parameter change, recording of measurement series and measurement curves, Dynamic Link Library (DLL) for RS-232 interface programming

Interfaces

Function	Digitale I/O (Standard)	RS-232 (Standard)	Profibus DP (Option)	Ethernet (Option)
Start / Stopp / Reset	X	X	X	X
Program Choice	X	X	X	X
Device Status / System Fault	X	X	X	X
Evaluation (Pass / Fail)	X	X	X	X
Parameterization		X	X	X
Measurement Results		X	X	X
Detailed Fault Messages		X	X	X

Further interfaces on request

Power supply and power consumption	100 – 240 V AC, 47 – 63 Hz, 0.6 – 0.3 A depending on stage of expansion max. 60 W
Compressed air supply	6 - 10 bar and 0.5 bar above test pressure (ISO 8573-1)
Pneumatic connections	Input (compressed air supply): 6 mm plug-in fitting Port for test part: fitting for 6 x 1 mm polyamide tubes Up to three pneumatically driven outputs [option]
Dimensions	Width: 345 mm, Height: 145 mm (3U), Depth: 435 mm
Weight	Approximately 10 kg
Included in delivery	Special packing, mains cable, documentation on CD, EC-Declaration of Conformity, calibration certificate, D-Sub-plug including cable for inputs and outputs (PLC-communication)
DKD-Calibration and DKD-Certificate	New CETATEST 815 (pressure range -1 to 17 bar, 500 Pa measurement range) are delivered with DKD-certificate without extra costs. [DKD = Deutscher Kalibrierdienst = German Calibration Service]
Warranty	3 years in case of yearly maintenance, optional prolongation to 5 years
Accessories (optional)	Filter combination, standard leak, leak tight 3/2-way-valve, RS-232/Ethernet-adapter, control- and evaluation software etc., further equipment in the CETA accessories catalogue

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