

Flow Tester CETATEST 915-G for leak tests



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| Operating principle | The CETATEST 915-G is a fully automatic flow test device for the detection of leaking parts. The test is automatically started after adaption of the test part. This method of operation has been especially developed for the gas industry and for reworking in the automobile industry. The pressure drop of the laminar flow element (LFE) is measured by a differential pressure sensor and converted into a flow value. |
| Operating methods | Direct laminar flow measurement |
| Signal processing | Fast 24-Bit-A/D-Converter Real time processing of the measurement signals |
| Processing | Real time microcontroller system, 16-Bit μC / 40 MHz |
| Start function | Selectable automatic start |
| Sensors | Differential pressure sensor, relative pressure sensor |
| Measurement range | 10 to 600 ml/h (without or with one position after decimal point), 0.20 to 10.00 ml/min (with two or three positions after decimal point), (other ranges on request) |
| Result units | ml/min, ml/h, l/min, l/h, mbar \cdot l/s |
| Test pressure range | 150 mbar and 600 mbar (other ranges on request) |
| Test mode | Leak test on flow basis |
| Programmable test phases | Delay, filling, stabilising, measuring |
| Adjustable threshold values | Filling pressure Test mode specific reject and rework levels |
| Handling | Intuitive menus 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, recording of parameter change, recording of measurement curves and measurement series, Dynamic Link Library (DLL)

| Interfaces | Function | Digital I/O | RS-232 | Profibus DP | Ethernet |
|------------|------------------------------|-------------|------------|-------------|----------|
| | | (Standard) | (Standard) | (Option) | (Option) |
| | Start / Stop / 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 |
| | Measurements Results | | X | X | X |
| | Detailed Fault Messages | | X | X | X |

other 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 1.0 bar above test pressure

Pneumatic connections Input (compressed air supply): 6 mm plug-in fitting
Port for test part fitting for 6 x 1 mm polyamide tubes
Three pneumatically controlled and individually adaptable 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 (CE), calibration certificate, D-Sub-plug including cable for inputs and outputs (PLC-communication)

Accessories (optional) Filter combination, standard leak, leak tight 3/2-way-valve, control and evaluation software etc., further equipment in the CETA-accessories catalogue.

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