



Application Software
CETA Soft 2G for free!

Flow Tester CETATEST 915-G

The CETATEST 915-G is a fully automatic flow test device for the detection of untight parts. The test is automatically started after adaption of the test part. This method of operation has been developed especially 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

Pressure sensors

Differential pressure sensor,
gauge pressure sensor (test pressure)

Measurement ranges

0.0 to 120.0 ml/h without or with one position after decimal point [ml/h],
0.00 to 2.00 ml/min with one or two positions after decimal point [ml/min] (other ranges on request)

Result units

ml/min, ml/h, l/min, l/h, mbar*l/s

Pressure ranges

150 mbar and 600 mbar
(other pressures on request)

Test modes / test options

Leak test on flow basis, zero result measurements

Programmable test phases

Delay, filling, stabilising, measuring

Adjustable threshold values

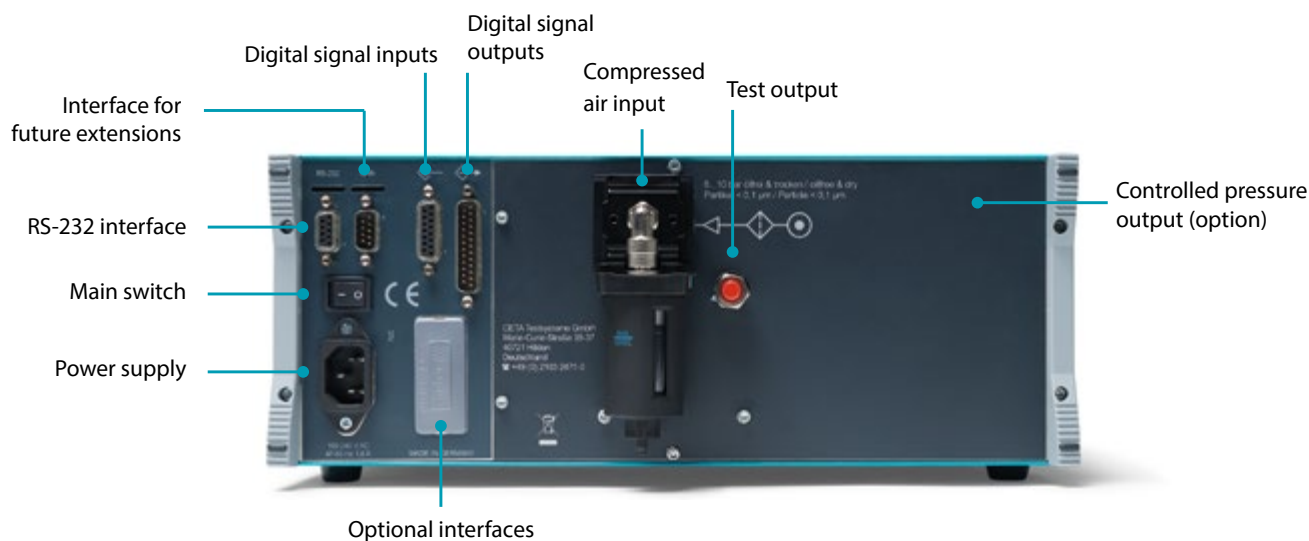
Filling pressure, test part specific reject and rework levels

Handling

Intuitive menus, password protected user levels

Parameter memory

64 individually parameterizable 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

Function	Start / Stop / Reset	Program selection	Device status / system fault	Evaluation (Pass / Fail)	Parameterization	Measurement results	Detailed fault messages
Digital I/O (standard)	■	■	■	■			
RS-232 (standard)	■	■	■	■	■	■	■
Profibus DP (option)	■	■	■	■	■	■	■
Profinet (option)	■	■	■	■	■	■	■
Ethernet (option)	■	■	■	■	■	■	■
EtherCAT (option)	■	■	■	■	■	■	■

Further interfaces on request.

Further functions

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

Power supply and power consumption

100 – 240 V AC, 47 – 63 Hz, 0.6 – 0.3 A
je nach Ausbaustufe 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 and weight

W x H x D:
345 mm x 145 mm (3U) x 435 mm
Weight: appr. 10kg

Included in delivery

Special packaging, power cord, documentation and PC-software on CD, calibration certificate, declaration of conformity, D-Sub-plug including cable for inputs and outputs (PLC-communication), spare sealing caps and spare caps for union nuts coupling or spare clamp rings

Warranty

3 years in case of yearly maintenance, optional prolongation to 5 years

Accessories (optional)

Filter combination, master jet, leak tight 3/2-way valve, RS-232 / Ethernet-adaptor, control- and evaluation software, application software CETA Soft 2G, scanner interface, more in the CETA accessories catalogue

