CETA®

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
10 bis 600 ml/h
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)

Maximum Deviations
Gauge pressure: 1 % *
Volumetric flow: 2 % *

Test modes / test options
Leak test on flow basis, zero result measurements

Programmable test phases
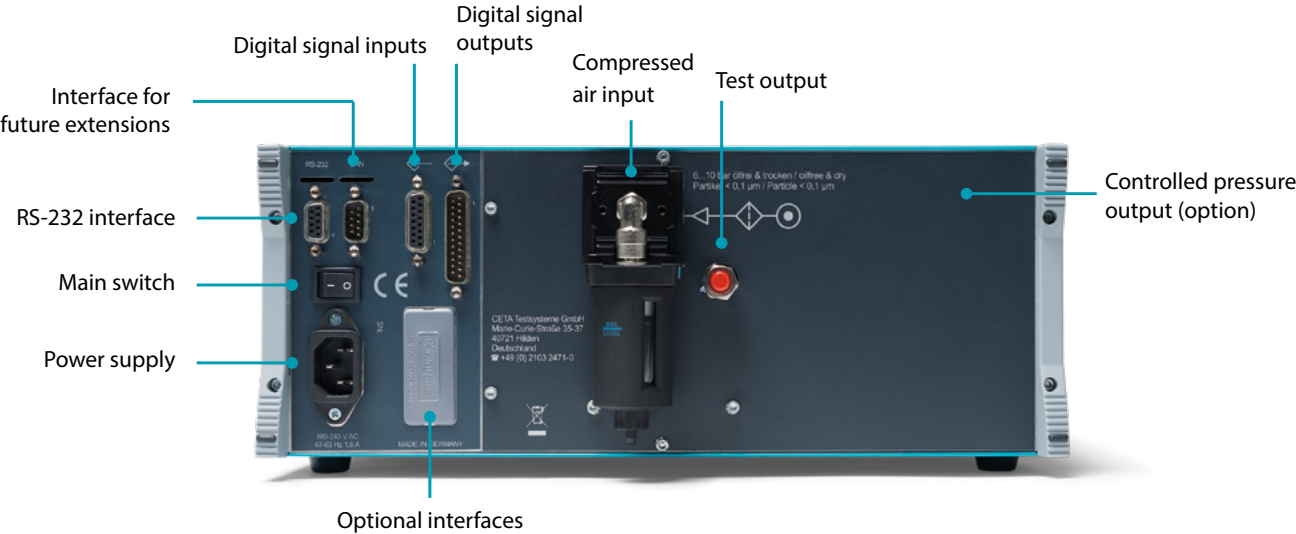Delay, filling, stabilising, measuring

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.

* referred to full scale value

Interface for future extensions

Digital signal inputs

Digital signal outputs

Compressed air input

Test output

RS-232 interface

Main switch

Power supply

Controlled pressure output (option)

Optional interfaces

	Interfaces	Start / Stop / Reset	Program selection	Device status / system errror	Evaluation (Pass / Fail)	Parameterization	Measurement results	Measurement curve	Phase information in real time	Error messages
Standard	Digitale I/O	■	■	■	■					
	RS-232	■	■	■	■	■	■	■	■	■
	USB Host (Front)				■	■	■	■		
Option (one selectable)	Profibus DP	■	■	■	■	■	■	■	■	■
	Profinet	■	■	■	■	■	■	■	■	■
	Ethernet	■	■	■	■	■	■		■	■
	EtherCAT	■	■	■	■	■	■	■	■	■

Further interfaces (e.g. Bluetooth, WiFi & USB Slave) on request. The optional RS-232 protocol converter enables the exchange of a CETATEST 900-G that communicates via RS-232, against a CETATEST 915-G.

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 (3 U) x 435 mm
Weight: approx. 10kg

Scope of delivery

Special packaging, power cord, documentation and PC-software on CD, calibration certificate, EU 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, standard leak, leak tight 3/2-way valve, RS-232 / Ethernet adapter, application software CETA Soft 2G, scanner interface, more in the CETA accessories catalogue