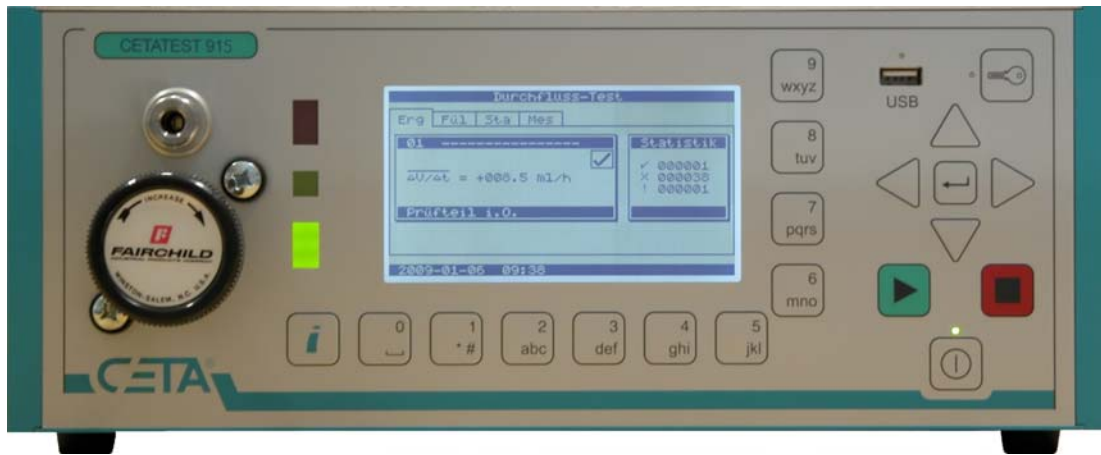


Flow Tester CETATEST 915



Operating principle	The flow tester CETATEST 915 is used to measure the flow using compressed air. The device contains a measurement system consisting of a laminar flow element (LFE) and a differential pressure sensor. In the direct test method the air, provided by the internal pressure regulator, flows through the measuring section before it enters the test part. In the indirect test method the measuring section is located behind the test part. Due to the special design of the measuring section a laminar flow is generated. The resulting pressure difference is directly proportional to the volume flow.		
Signal processing	Fast 24 Bit A/D-Converter		
Sequence controller	Real time microcontroller system		
Sensors	Differential pressure sensor, relative pressure sensor (test pressure)		
Measurement ranges of the laminar flow elements	Type of LFE	Flow at positive gage pressure of 5 mbar in the LFE	Test connections
	1 RK	15 - 1.400 ml/h	8 x 1 mm fitting
	1 RM	60 - 3.800 ml/h	8 x 1 mm fitting
	1 RG	6 - 300 ml/min	8 x 1 mm fitting
	5 RG	30 - 1.900 ml/min	8 x 1 mm fitting
	8 RG	60 - 3.200 ml/min	8 x 1 mm fitting
	20 RG	90 - 6.900 ml/min	8 x 1 mm fitting
	30 RG	12 - 670 l/h	8 x 1 mm fitting
	55 RG	20 - 1.150 l/h	10 x 1 mm fitting
	80 RG	0,5 - 36 l/min	10 x 1 mm fitting
	100 RG	0,7 - 42 l/min	10 x 1 mm fitting
	150 RG	1 - 62 l/min	10 x 1 mm fitting
Test pressure range	-1 bar, 200 mbar, 1 bar, 6 bar, 10 bar (other ranges on request)		
Test mode	Leak test on flow basis		
System control	Control of the compressed air supply		
Test phases	Delay, filling, stabilize, measuring		
Test mode specific limits	Test 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 denotations Parameters of the test programs can be exported resp. imported via the test device interfaces or by usage of a USB storage device.		

Flow Tester CETATEST 915



Further functions Detailed result statistics, cycle counter, indicator for service intervals, countdown indicator, recording of parameter change, recording of measurement curves and measurement series, LabVIEW-device driver

Interfaces	Function	Digital I/O	RS-232	Profibus DP	see (#)
		(Standard)	(Standard)	(Option)	(Option)
	Start / Stopp / Reset	X	X	X	X
	Program Choice	X	X	X	X
	Device Status / System fault	X	X	X	X
	Evaluation (Pass / Fall)	X	X	X	X
	Parameterization		X	X	X
	Measurements Results		X	X	X
	Detailed Fault Messages		X	X	X

(#) CANopen, Ethernet, SERCOS III

Power supply and power consumption 100 – 240 V AC, 47 – 63 Hz, 0,6 – 0,3 A max. 25 W

Compressed air supply 1 bar above test pressure, but at least 3,0 bar (ISO 8573-1)

Pneumatic connections Input (compressed air supply): 6 mm side-on receptacle
Port for test part: depending on the LFE used
Three pneumatically controlled and individually adaptable outputs [option]

Dimensions Width: 345 mm, Height: 145 mm (3 HE), Depth: 435 mm

Weight Approximately 10 kg

Included in delivery Special packing, power cord, user manual, 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, RS-232/Ethernet-adaptor, control and evaluation software etc., further equipment in the CETA-accessories catalogue.

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