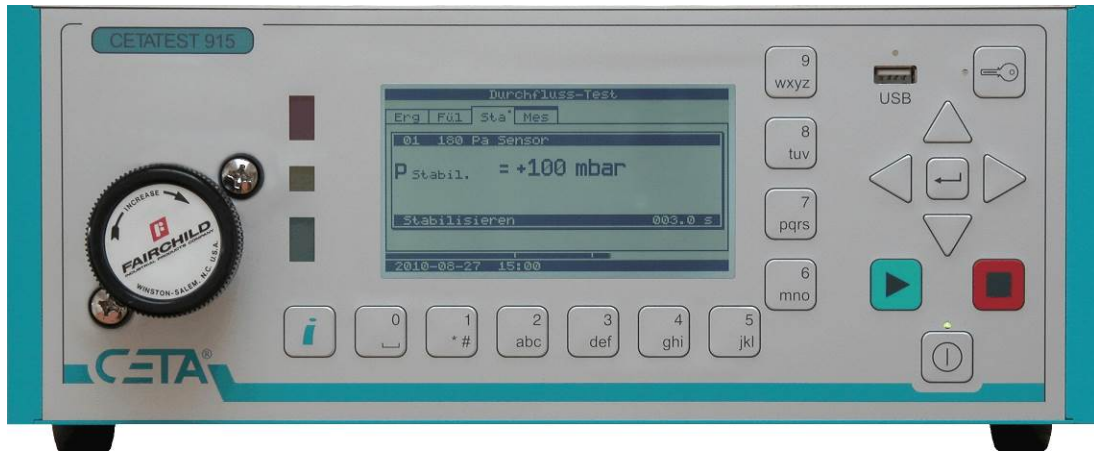


Flow Tester CETATEST 915



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, 16-Bit μC / 40 MHz		
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 50 mbar in the LFE	Test connections
	1 RK	55 - 2,300 ml/h	8 x 1 mm fitting
	1 RM	150 - 7,000 ml/h	8 x 1 mm fitting
	1 RG	12 - 500 ml/min	8 x 1 mm fitting
	2 RG	26 - 900 ml/min	8 x 1 mm fitting
	3 RG	40 - 1,400 ml/min	8 x 1 mm fitting
	5 RG	135 - 4,900 ml/min	8 x 1 mm fitting
	8 RG	130 - 5,800 ml/min	8 x 1 mm fitting
	20 RG	270 - 10,900 ml/min	8 x 1 mm fitting
	30 RG	25 - 1,100 l/h	8 x 1 mm fitting
	55 RG	39 - 1,900 l/h	10 x 1 mm fitting
	80 RG	1.0 - 44.0 l/min	10 x 1 mm fitting
	100 RG	1.7 - 45.0 l/min	10 x 1 mm fitting
	148 RG	4.3 - 115 l/min	10 x 1 mm fitting
Mechanical controlled test pressures	-1,000 mbar, 150 mbar, 1,000 mbar, 6 bar (other pressures on request)		
Result units	ml/min, ml/h, l/min, l/h, mbar*l/s		
Test mode / Test options	Direct method, indirect method, exponential extrapolation		
Test phases	Delay, filling, stabilising, measuring		
Test mode specific limits	Filling pressure Test part 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.		



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) for RS-232 interface programming

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

The optional RS-232 protocol converter enables the exchange of a CETA 900 that communicates via RS-232, against a CETATEST 915.

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 resp. 50 mbar under evacuation pressure (ISO 8573-1)

Pneumatic connections Input (compressed air supply): 6 mm plug-in fitting
Port for test part: depending on the LFE used
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, 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-adapter, control- and evaluation software, more in the CETA accessories catalogue

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