



Operating principle	The CETATEST 610 is a full automatically working leak detector for the detection of untight parts within the cycle time of the production process. The measuring method is based on the calorimetric measurement of the mass flow. The mass flow due to the leakage is measured and converted to Norm-ml/min (Nml/min). Temperature effects are automatically compensated during the conversion of the measured mass flow. This leak tester is suitable especially for test parts with large volumes and small leak rates.
Sequence controller	Multi-microcontroller system
Sensor type	Calorimetric mass flow sensor
Test pressure sensor	Piezo-resistive gage pressure sensor
Measurement range and resolution	Measurement range: 0 to 50 Nml/min, other ranges upon request Highest resolution: 0,01 Nml/min (depending on sensor type)
Result units	Nml/min, Nml/h, NI/min, sccm, scch, slm
Test mode	Mass flow measurement, test of closed components (option), dynamic pressure measurement (option), prefill (option)
Electronically regulated test pressure ranges	1 bar, 9 bar
Alphanumeric display	LC display (240 x 128 Pixel)
Programmable test parameter	Test pressure, pressure limits, delay time, fill time, stabilization time, test mode depending limits, measurement time, exhaust time, program series (option)
Functionality	Simple, flexible menus with copy function
Parameter Memory	64 test programs
Parameter Storage	Entered data remain stored without line voltage (up to 10 years).
Access Control	By means of a four digit code number (can be deactivated)
Pass and fail counter	Per program
Acknowledge-Reset	Switchable
Evaluation	Pass indicator (green), fault indicator (yellow), fail indicator (red)

Mass Flow Tester CETATEST 610



Dimensions	Width: 345 mm, Height: 145 mm (3 RU), Depth: 435 mm		
Interfaces	Input and Output	8 digital I/O (Standard)	RS 232 (Standard)
	Start / Stop / Reset	X	X
	Program Choice	X	X
	Device Status / System Fault	X	X
	Evaluation (Pass / Fail)	X	X
	Parameterisation		X
	Measurement Results		X
	Detailed Fault Messages		X
		Option: Second plug-in board with 8 free programmable outputs	
Power supply and power consumption	90 - 260 V AC, 50/60 Hz, 45 W, alternative: 20 - 30 V DC, 45 W		
Compressed air supply	1 bar above test pressure, but at least 5,5 bar (ISO 8573-1)		
Pneumatic connections	Input (compressed air supply): 6 x 1 mm slide-on receptacle Port for test part : fitting for 6 x 1 mm polyamid tubes		
Advice	The use of fittings from Camozzi is recommended.		
Maintenance recommendation	The CETATEST 610 has a build-in cycle counter. If this counter exceeds the preset value, which has been set by CETA before delivery of the device, the test device gives a maintenance warning. This warning should be seen as a recommendation to ensure the proper function of the test device. The CETA Service can change the preset value.		
Weight	Approximately 10,5 kg		
Included in delivery	Special packing, power cord, user manual, producer declaration (CE), calibration certificate, D-Sub-plug including cable for inputs- and outputs (PLC-communication), spare seal caps		
Accessories (optional)	Application software CETA Soft, filter combination, standard leak, master jet, leaktight 3/2-way-valve, CETA accessories catalogue		

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