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CETATEST 510

CETATEST 610

CETATEST 710

CETATEST 810

CETATEST 815

CETATEST 915

	CETATEST 510	CETATEST 610	CETATEST 710	CETATEST 810	CETATEST 815	CETATEST 915
Operating principle						
Pressure comparison test part volume - tight reference volume (differential pressure proceeding)	■			■	■	
Special applicability for small test part volumes (< 1 cm³)	■					
Pressure loss caused by leakage in test part volume	■			■	■	
Mass flow caused by leakage in the test part volume		■				
Laminar flow element (LFE) with differential pressure transducer						■
Sensors for test part evaluation						
Piezo-resistive differential pressure transducer (1 p > 10 bar capacitive oder inductive, 2 combined with LFE)	■			■1	■1	■2
Piezo-resistive gage pressure sensor			■			
Calorimetric mass flow sensor		■				
Test pressure sensor						
Piezo-resistive gage pressure sensor	■	■	■	■	■	■
Measurement range						
1 400 Pa in 1 Pascal-steps resp. 2 500 Pa in 1 Pascal-steps (leak test)	■			■1	■2	
1 4.000 Pa in 3 Pascal-steps resp. 2 5.000 Pa in 1 Pascal-steps (leak test)				■1	■2	
30.000 Pa in 10 Pascal-steps (leak test) - depending on the test pressure range			■			
0 - 50 Norm-ml/min (mass flow test) - depending on the test pressure range		■				
15 ml/h to 62 l/min (at 5 mbar positive gage pressure) depending on the type of the Laminar Flow Element [LFE] (flow test)						■
Other ranges on request	■	■	■	■	■	■
Test modes						
Pressure loss measurement	■		■	■	■	
Pressure loss measurement - high speed (Option A) [cannot be combined with (Option B) (Option C)]	Option (A)					
Pressure rise measurement (indirect) (Option B) [cannot be combined with (Option A) (Option C)]	Option (B)					
Closed component		Option	Option	Option	Option	
Closed component - high resolution (0,03 ml < ΔV < 1,0 ml) (Option C) [cannot be combined with (Option A) (Option B)]	Option (C)					
Dynamic pressure measurement		Option	Option	Option	Option	
Pressure steps				Option	Option	
Volume measurement				Option		
Mass flow test		■				
Flow test - laminar flow (direct or indirect method)						■
Additional functions						
Still alive check (standard)	■			■	■	
Program series	Option	Option	Option	Option	Option	
Prefill (with electrical pressure regulator)	Option	Option	Option	Option	Option	
Two-Channel operation (synchron)					Option	Option
Automatic function control				Option	Option	
Analysis of the filling curve					■	
Temperature compensation				Option	Option	
Electronically regulated test pressure ranges						
Negative gage pressure	■		■	■	■	Option
Negative and positive gage pressure ranges can be combined (e.g. -1 bar / +1 bar or -1 bar / +4 bar or -1 bar / +6 bar)				■	■	
200 mbar	■		■	■	■	Option
1 bar	■	■	■	■	■	Option
6 bar				■	■	Option
9 bar		■	■	■	■	
10 bar				■	■	Option
16 bar				■	■	
30 bar				■	■	
Other ranges on request	■		■	■	■	■
Mechanically regulated test pressure ranges						
-1 bar / 200 mbar / 1 bar / 6 bar / 10 bar					Option	■
1 CETATEST 917 - flow tester specially destined to the gas industry; 150 mbar / 600 mbar						■1
-1 bar / 1 bar / 6 bar / 9 bar / 10 bar (options)		■	■	■		
-1 bar / 220 mbar / 1 bar	■					
300 bar (CETATEST 810 high pressure version with pressure rise method)				■	■	
Other ranges on request	■		■	■	■	■
Programmable test parameters						
Test pressure (available only with electrical pressure regulator)	■	■	■	■	■	Option
Pressure limits	■	■	■	■	■	■
Phase times adjustable (delay time, fill time, stabilization time, measurement time, exhaust time)	■	■	■	■	■	■
Reject level / rework level	■	■	■	■	■	■
Upper mass flow limit (1 CETATEST 610) resp. upper / lower flow limit (2 CETA 915)		■1				■2
Interfaces						
Digital I/O	■	■	■	■	■	■
RS 232	■	■	■	■	■	■
Profibus DP				Option	Option	Option
Ethernet					Option	Option
Ethernet (via RS 232 - ethernet adapter)	Option	Option	Option	Option		
USB interface for storage devices (storage of parameters, measurement values and curves possible)					■	■
CANopen, SERCOS III					Option	Option
Pneumatic connections						
Input						
6 x 1 mm slide-on receptacle	■	■	■	■	■	■
6 mm fitting					■	
Output						
6 x 1 mm fitting for polyamid tubes		■	■	■	■	
3 x 1,7 mm fitting	■					
Alternative: 6 mm clamping ring		Option		Option	Option	
6 x 1 mm, 8 x 1 mm, 10 x 1 mm, 12 x 1 mm or larger (depending on the laminar flow element [LFE])						■