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CETATEST 510

CETATEST 710

CETATEST 815

CETATEST 915

	CETATEST 510	CETATEST 710	CETATEST 815	CETATEST 915
<b>Operating principle</b>				
Pressure comparison between test part volume and tight reference volume (differential pressure proceeding)	■		■	
Special applicability for small test part volumes (< 1 cm³)	■			
Pressure loss caused by leakage in test part volume	■	■	■	
Laminar flow element (LFE) with differential pressure transducer				■
<b>Sensors for test part evaluation</b>				
Piezo-resistive differential pressure transducer ( (1) p > 10 bar capacitive oder inductive, (2) combined with LFE)	■		■(1)	■(2)
Piezo-resistive gauge pressure sensor			■	
<b>Test pressure sensor</b>				
Piezo-resistive gauge pressure sensor	■	■	■	■
<b>Measurement range</b>				
(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			■	
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)		■		■
<b>Test modes</b>				
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	
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	
Pressure steps			Option	
Flow test - laminar flow (direct or indirect method)				■
<b>Additional functions</b>				
Still alive check (standard)	■		■	
Program series	Option	Option		
Prefill (with electronical pressure regulator)	Option	Option	Option	
Smooth filling (with electronical pressure regulator)			Option	
Two-Channel operation (synchronous)			Option	
Automatic function control			Option	
Analysis of the filling curve			Option	
Temperature compensation			Option	
<b>Electronically regulated test pressure ranges</b>				
Negative gauge pressure	■	■	■	Option
Negative and positive gauge 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	■	■	■	■
<b>Mechanically regulated test pressure ranges</b>				
-1 bar / 150 mbar / 1 bar / 6 bar / 10 bar	Option	Option	Option	■
<b>Multifunctional valve</b>				
Sliding valve	■	■	Option	
Seat valve			■	
<b>Programmable test parameters</b>				
Fill pressure (available only with electronical pressure regulator)	■	■	■	Option
Pressure limits	■	■	■	■
Phase times adjustable (delay time, fill time, stabilization time, measurement time, exhaust time)	■	■	■	■
Reject level / rework level	■	■	■	■
Upper / lower flow limit				■
<b>Interfaces</b>				
Digital I/O	■	■	■	■
RS 232	■	■	■	■
Profibus DP	Option		Option	Option
Ethernet			Option	Option
Ethernet (via RS 232 - ethernet adapter)	Option	Option	Option	
USB interface for storage devices (storage of parameters, measurement values and curves possible)			■	■
CANopen, SERCOS III			Option	Option
<b>Pneumatic connections</b>				
<b>Input</b>				
6 x 1 mm slide-on receptacle	■	■	■	■
6 mm fitting			■	
<b>Output</b>				
6 x 1 mm fitting for polyamid tubes		■	■	
3 x 1,7 mm fitting	■			
Alternative: 6 mm clamping ring		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])				■
<b>Special versions</b> (seperate data sheet available)				
CETATEST 815 Twin - leak tester for synchronous 2-channel measurement				
CETATEST 810 HP-PR for leak testing up to a test pressure of 300 bar with pressure rise method				
CETATEST 915-G - flow tester especially for the gas industry				
CETATEST H 201 - leak tester with hydrogen sensor for the detection of smallest leaks (upto 1*10 <sup>-5</sup> mbar*/l/s) with forming gas				