

# Leak Detector CETATEST 810 HP - PR



<b>Operating principle</b>	The CETATEST 810 HP-PR in the variant high pressure can be used for leak tests (e.g. injection valves) up to a test pressure of <b>300 bar</b> using the test mode pressure rise. To this purpose the primary circuit can be pressurized with the test pressure up to 300 bar. The leakage test is performed in the secondary circuit.
<b>Two channel operation</b>	As option available
<b>Valve type</b>	Seat valve (primary circuit), sliding valve (secondary circuit)
<b>Sequence controller</b>	Multi-microcontroller system
<b>Differential pressure transducer</b>	Piezo-resistive differential pressure transducer (in secondary circuit)
<b>Test pressure sensors</b>	Piezo-resistive gage pressure sensor (in primary and secondary circuit)
<b>Measurement range</b>	± 400 Pa (resolution: 1 Pa), ± 4.000 Pa (resolution: 3 Pa) other ranges on request
<b>Δp-Offset</b>	± 20 Pa zero point shift
<b>Result units</b>	Pa, Pa/s, ml/min, ml/h
<b>Test mode</b>	Pressure rise
<b>Control systems</b>	Still-Alive-Check, overflow valves
<b>Test pressure ranges</b>	Primary range: 300 bar (mechanical controlled) Secondary range: 100 mbar (mechanical controlled), other ranges on request
<b>Alphanumeric display</b>	LC display (240 x 128 Pixel)
<b>Programmable test parameter</b>	Primary- and secondary pressure circuit: target pressures, pressure limit value, delay time, fill time, stabilization time, measurement time, dp-limit value, exhaust time, reject level, rework level
<b>Functionality</b>	Simple, flexible menus with copy function
<b>Parameter memory</b>	64 test programs
<b>Parameter storage</b>	Entered data remain stored without line voltage (up to 10 years).
<b>Access control</b>	By means of a four digit code number (can be deactivated)
<b>Pass and fail counter</b>	Per program
<b>Acknowledge-reset</b>	Switchable
<b>Evaluation</b>	Pass indicator (green), fault indicator (yellow), fail indicator (red)

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<b>Module-dimensions</b>	Width: 345 mm, Height: 145 mm (3 RU), Depth: 435 mm			
<b>Interfaces</b>	Input and Output	8 digital I/O (Standard)	RS 232 (Standard )	Profibus DP (Option)
	Start / Stop / Reset	X	X	X
	Program Choice	X	X	X
	Device Status / System Fault	X	X	X
	Evaluation (Pass / Fail)	X	X	X
	Parameterization		X	X
	Measurement Results		X	X
	Detailed Fault Messages		X	X
<b>Electrical data</b>	90 - 260 V AC, 50/60 Hz, 45 W, alternative: 20 - 30 V DC, 45 W			
<b>Compressed air</b>	at least 6 bar (ISO 8573-1) for control functions			
<b>Pneumatic connection</b>	Input (compressed air supply): female connector external-Ø 6 mm High pressure-in- and output: Swagelok-fitting external-Ø 6 mm			
<b>Maintenance recommendation</b>	The CETATEST 810 High Pressure – Pressure Rise has a build-in cycle counter. If this counter exceeds the preset value (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.			
<b>Weight</b>	Approx. 20 kg (for one channel version), approx. 30 kg (for two channel version)			
<b>Included in delivery</b>	Special packing, power cord, user manual, declaration of conformity (CE), calibration certificate, connecting cable			

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