

Leak Detectors

KPK010 and KPK020

Adwatec Leak Detectors are specifically designed for finding leakage in a tested object, e.g. cooling circuit. They are easy and fast way to measure the pressure and ensure tightness and right flow in a tested object. There are two models available: KPK010 for cooling systems of power electronics and KPK020 for cooling circuits of power electric components.

Operation

Leak Detectors rinse, pre-form and pressure test the piping of the tested object. They automatically detect leakage and measure flow restriction and finally empty and dry the object. Test fluid is mixture of clean tap water, glycol and corrosion inhibitors. User can create individual procedures of testing steps for each object and save procedures for further use. Leak Detectors are operated by panel PC or laptop. Test reports are saved to panel PC or laptop and optionally ethernet connection can be used to download test results database to upper level database.

Benefits

- Precise leak detection
- Fast and easy testing
- Unit is easy to move
- Test parameters are adjustable
- User-friendly program interface
- Individual test procedures



Technical Details	KPK010	KPK020
Max pressure	12 bar	15 bar
Max flow	Max. 50 l/min at 10 bar pressure Max. 140 l/min at 6 bar pressure	Max. 20 l/min
Tank volume	270 litre	60 litre
Filtration ratio	50-100 µm abs	50 µm abs in return line 10 µm abs in high pressure pump inlet
Control system	Siemens S7-300 PLC HP Probook laptop	Siemens S7-300 PLC Siemens 15" touch panel PC Keyboard, mouse and barcode scanner
Electrical connection in	3 x 400 VAC, 50 Hz, 32 A	3 x 400 VAC, 50 Hz, 16 A
Electrical connection out	2 x 230 VAC, 50 Hz, 10 A	1 x 230 VAC, 50 Hz, 10 A
Other connections in	Compressed air 6 bar (adjustable) Water filling Ethernet (optional)	Compressed air 6 bar (adjustable) Water filling Ethernet (optional)
Width x depth x height , mm	1357 x 823 x 1334	600 x 800 x 1900
Weight (empty tank)	330 kg	275 kg