RELIABLE POROSITY TESTING OF COATINGS AND FOILS

Rely on continuity ...

ISOTEST act DC

... in-plant DC holiday detector

- Non-destructive holiday detection with maximum test reliability & minimum material stress
- Adjustable sensitivity and filter functions
- Data backup via USB interface
- Up to 4 separate test channels
- Test speed up to 1000 mm/s
- External switch-on / switch-off of the test voltage by intelligent light barrier control

ELMED MESSTECHNIK

ISOTEST act DC

Application

Sensitive coatings with a thickness of up to 2 mm such as Epoxy, Rilsan, etc. or even foils can safely be tested with the ISOTEST act DC (direct-current voltage). Pores, cracks even weak spots are reliably detected.

All ISOTEST® holiday detectors have undergone extensive tests in the field of safety and EMC. They all carry the CE label and fulfil the requirements of all relevant standards and specifications (DIN EN / ISO / DVGW etc.)

CE

You can count on ...

- a compact "all-in-one" device (control unit and high voltage generator in a single compact housing)
- suitable for continuous operation (three shifts)
- porosity / leak testing of all non or slightly conductive materials
- the structured menu and the touch panel allow an easy operation
- both the current values and the modifications made are shown in the display
- precise filter settings allow an optimal adjustment of the sensitivity to the different test requirements
- external switch-on / switch-off of the test voltage by intelligent light barrier control
- limitation of test current ensures maximum safety for the test personal
- constant test voltage – even under most difficult operating conditions – guaranteed by processor-controlled, load-dependent energy control
- reliable test results even at extremely high test speeds
- thanks to the integral evaluation process, even the smallest pores or defects are detected and displayed

Technical data

Test voltage	0.5 – 6.0 kV in steps of 0.1 kV, negative DC, current (effective value) max. 1.0 mA (for every channel)
Test channels	optionally 1, 2 or 4 test channels
Voltage supply	100 – 240 VAC / 47 – 63 Hz (wide-range input)
Power supply (load-dependent)	< 100 W
Inputs	external activation of the test voltage via switch contact or 24 VDC
Outputs	floating change-over for pore alarm non-floating contact for pore alarm floating change-over for operational monitoring
Operating time	three shifts
Testing speed	up to 1000 mm/s
Regulation of the test voltage	load-dependent adaptation (continuous)
Load adaptation	selectable filter settings for optimum adaptation to individual test conditions
Indication of porosity	visual signal on the display potential-free contact for external signalling units
Further display options	pore counter multilingual menu indication of the test duration (current and total) indication of the next scheduled service date
Permissible ambient temperature	0° C ... +50° C (thermal constant > 10 K/h)
Air humidity	max. 60 % relative air humidity at 30° C
Scope of supply	in-plant holiday detector ISOTEST act DC high-voltage cable software ISO Audit works / calibration certificate operation manual

Made in Germany

Revisions in the course of technical progress reserved.

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