

RELIABLE POROSITY TESTING OF COATINGS AND FOILS



Always the right impulse ...

ISOTEST act 8.0 / 35

... in-plant holiday detector with high-voltage impulse technology

- Testing of dirty, damp and even slightly conductive surfaces
- No static charging
- Up to 6 test channels - synchronisation of several devices (master / slave mode)
- "Phantom-Grounding" – no direct grounding necessary
- External switch-on / switch-off of the test voltage
- Adjustable sensitivity and filter functions

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Application

Non or slightly conductive materials and coatings such as 3 layer PE / PP can reliably be tested for pores or other damage. The same goes for foils and rubber coatings to which this non-destructive testing with a minimum of material stress applies as well.

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.)



You can count on ...

- a compact "all-in-one" device (control unit and high voltage generator in a single compact housing)
- continuous operation (three shifts)
- porosity / leak testing of all non or slightly conductive materials
- external switch-on / switch-off of the test voltage
- increased operator safety – thanks to the combination of impulse voltage and smart power control
- stable test voltage, even under demanding conditions, guaranteed by load-dependent regulation of energy
- high testing speeds made possible by optimised pulse repetition frequency
- the detection and display of even the smallest pores and voids by the integral evaluation process – with minimal material stress
- electrostatic charges, which are a latent risk for DC devices, are excluded by the use of impulse technology
- testing of fully coated test objects – even without direct ground – rendered possible by the option of "Phantom-Grounding" (only possible with impulse voltage)

Technical data

Test voltage	8.0 0.5 – 8.0 kV in steps of 0.5 kV 35 7.5 – 35.0 kV in steps of 2.5 kV further test voltages on request
Test channels	up to 6 test channels (master / slave mode)
Voltage supply	100 – 240 VAC / 47 – 63 Hz (wide-range input) or 90 – 375 VDC
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 floating change-over for operational monitoring
Operating time	three shifts
Testing speed	up to 300 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 8.0 / 35 high-voltage cable works / calibration certificate operation manual

Revisions in the course of technical progress reserved.

