

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
- 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 holidays 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
- detection and display of even the smallest holidays and voids by the integral evaluation process – with minimal material stress
- electrostatic charges – a latent risk for DC devices – are excluded by the use of impulse technology when properly grounded
- testing of fully coated test objects – even without direct grounding – enabled 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 alternative test voltage ranges upon 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 detection alarm floating change-over for operational monitoring
Operating time	continuous operation (three shifts)
Testing speed	up to 1200 mm/s
Stabilisation of the test voltage	load-dependent regulation (continuous)
Load adaptation	selectable filter settings for optimum adaptation to individual test conditions
Indication of porosity	display indication potential-free contact for external signalling units
Further display options	detection counter multilingual menu operating time counter (per operation & 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
Housing dimensions (W x D x H)	380 x 210 x 300 mm
Weight	12 kg
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.

