

# ISOTEST act

## In-Plant Holiday Detectors & Accessories for Coatings, Wrappings and Foils



The shipment is executed according to our terms of delivery.

Revisions in the course of technical progress reserved.

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## ISOTEST act Testing Devices

Part-No.: 0118100014

Part-No.: 0111000004



### ISOTEST act 8.0

### ISOTEST act 35

Test voltages:  
from 0.5 – 8.0 kV in 0.5 kV steps (**ISOTEST act 8.0**)  
from 7.5 – 35.0 kV in 2.5 kV steps (**ISOTEST act 35**)

*Alternative test voltage ranges upon request*

#### Scope of supply:

Testing device, high voltage cable (length: 3 m), works and calibration certificate

Part-No.: 0111000003



### ISOTEST act P2

Test voltages:  
2.5 kV / 3.0 kV / 3.5 kV / 4.0 kV / 10.0 kV / 15.0 kV / 20.0 kV / 25.0 kV

*Alternative test voltage combinations upon request*

#### Scope of supply:

Testing device, high voltage cable (length: 3 m), works and calibration certificate

Part-No.: 0190000140



### ISOTEST HV

High voltage voltmeter for impulse voltage

#### Measuring range:

Impulse voltage: 5.0 – 35.0 kV

#### Scope of supply:

Measuring instrument, battery set, measuring accessories, transport box, works and calibration certificate

Part-No.: 0190000160

### ISOTEST HV high voltage measuring cable 2.5 m with insulated handle

for use with ISOTEST act testing devices

Part-No.: 0190000151



### ISOTEST HV conti

High voltage voltmeter for pulse-type voltages including external interface unit ISOHVMON with optical transmission

#### Measuring range:

Impulse voltage: 1.0 – 30.0 kV

#### Scope of supply:

ISOTEST HV conti, high voltage instrument cable (length: 3 m), fibre optics cable (length: 10 m), interface unit ISOHVMON, configuration software "ELMED ISOTEST HV Monitor Control", works and calibration certificate

## Accessories for Testing & Grounding

Proper grounding of the high voltage testing instrument is an absolutely essential precondition for all high voltage tests. Only by grounding the circuit, which is necessary for the functioning of the system, is closed.



### “Phantom-Grounding“ (Capacitive Grounding)

Only while applying pulse voltage a reliable and therefore safe grounding method is possible – even without direct metallic contact to the test object. The test circuit is closed by special brush electrodes using a capacitive coupling. Thus, a fully automated testing with little technical or human effort can be cost-efficiently conducted.

Part-No.: 0281511000

#### Grounding brush for capacitive grounding (phantom grounding)



Type: brass

Trim height: 120 mm  
Total length: 1000 mm

Part-No.: 0166000006

#### Mounting bracket for up to 6 grounding electrodes



Type: stainless steel

Part-No.: 0166000002

#### Electrode holder for testing electrodes and grounding brushes



Type: brass  
Threaded pin: M6

Part-No.: 0132000100


#### High Voltage Insulator

for mounting testing electrodes and for applying high voltage



Type RSGA10

## Testing Electrodes




**Flat Brass Brush Electrodes**  
Fit for all-purpose application

**Trim height:** 80 mm

**Type:**  
High quality full brass brushes, extremely robust and durable for best possible testing results.

	<b>Length in mm</b>
Part-No.: 0162310201	<b>200</b>
Part-No.: 0162310251	<b>250</b>
Part-No.: 0162310301	<b>300</b>
Part-No.: 0162310351	<b>350</b>
Part-No.: 0162310401	<b>400</b>
Part-No.: 0162310451	<b>450</b>
Part-No.: 0162310501	<b>500</b>



**Flat Electrode of Conductive Rubber**  
Flat electrodes made of special conductive rubber are particularly designed for testing objects with a delicate or thin surface e.g. foils

**Trim height:** 40 mm

	<b>Length in mm</b>
Part-No.: 0162210100	<b>100</b>
Part-No.: 0162210150	<b>150</b>
Part-No.: 0162210200	<b>200</b>
Part-No.: 0162210250	<b>250</b>
Part-No.: 0162210300	<b>300</b>
Part-No.: 0162210350	<b>350</b>
Part-No.: 0162210400	<b>400</b>
Part-No.: 0162210450	<b>450</b>
Part-No.: 0162210500	<b>500</b>



**SoftLine flat Brush Electrodes of stainless steel fibres Bekinox**  
Softline flat brush electrodes made of stainless steel fibres are particularly suited for testing delicate surfaces, e.g. foils

**Fibre height:** 15 mm

	<b>Length in mm</b>
Part-No.: 0162400100	<b>100</b>
Part-No.: 0162400150	<b>150</b>
Part-No.: 0162400200	<b>200</b>
Part-No.: 0162400250	<b>250</b>
Part-No.: 0162400300	<b>300</b>
Part-No.: 0162400350	<b>350</b>
Part-No.: 0162400400	<b>400</b>
Part-No.: 0162400450	<b>450</b>
Part-No.: 0162400500	<b>500</b>
Part-No.: 0162400600	<b>600</b>
Part-No.: 0162400700	<b>700</b>
Part-No.: 0162400800	<b>800</b>
Part-No.: 0162400900	<b>900</b>
Part-No.: 0162401000	<b>1000</b>

## Spray Mark System

Part-No.: 0110201035



**Spray Mark System ISOTEST act STC**  
for locally marking holidays and defects in the coating

**Scope of Supply:**

Spray mark system STC with liquid container 125 ml for marking ink,  
spray mark head SR-1 with 3 m flexible hose

Part-No.: 1601000301

**Liquid container 125 ml for marking ink**

Part-No.: 1601000302

**Marking ink white 1l for marking system (further colours on demand)**

Part-No.: 1601000303

**Cleaner (CL-FES 090) 1l for spray mark system**

## Calibration & Service

Part-No.: 0930001012



**Calibration and Service ISOTEST act holiday detectors**  
including PTB traceable calibration and works certificate

- Test and function control of the electronic
- Test and function control of high voltage generation
- General visual inspection
- Control of the high voltage in relation to the pre-set scale value