



SIR TEST PROCEDURE

Surface Insulation Measurements

Surface Insulation Measurements (SIR Tests)

Our laboratory offers you the opportunity to have professional SIR tests carried out. These tests provide valuable insights into the electrochemical behaviour of your process materials. Our state-of-the-art equipment such as the latest generation GEN3 AutoSIR2+ and the climate chamber from weisstechnik® guarantee precise and reliable measurements that are carried out in accordance with current standards.

Service Process

1. Enquiry and clarification of the scope of the test:

We receive your enquiry and clarify the scope of the tests and the specific test conditions together:

- Selection of test items
You can either obtain the test items from us or provide them yourself. Please note that we must ensure that these test specimens are compatible with the pin assignment of our racks.
- SIR tests with test specimens that have a different pin assignment must be agreed on a case-by-case basis.
- Number of test specimens
- Selection of test parameters (or according to standard):
 - Temperature
 - Humidity
 - Measuring interval
 - Measurement duration
 - Measurement voltage and conditioning voltage

2. Preparation of an offer:

Once all the details have been clarified, we will prepare a customised quotation for you.

3. Preparation of the test specimens:

You prepare the test specimens yourself according to your process. Please rinse the test specimens with distilled water beforehand and then with isopropanol.

4. Dispatch of the test specimens:

After preparation, pack the test items carefully and send them to us.

Please note the following:

- The gold combs of the test specimens must not be soldered and/or contaminated. We recommend covering them with thermostable adhesive tape.

- To protect the test specimens from contamination, they must not be touched without gloves (latex and nitrile).
- The test specimens may only be labelled on the back with a permanent marker.
- Recommendation: Wrap all test specimens individually in aluminium foil after they have cooled down sufficiently.

5. Realisation of the test:

We run the SIR tests with your test specimens according to your specifications and ensure that all relevant parameters are met.

6. Reporting:

Upon completion of the tests, we will return to you a detailed report of the test results as well as your test specimens.

If you have any questions or would like to arrange an individual appointment, please do not hesitate to contact us.

Contact

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