



Sweep Frequency Response Analysis (SFRA) of Power Transformers with FRANEO 800

Duration

1 day

Language

English

Course ID

C.0062.BBX

Learn how to

- > prepare and perform SFRA measurements on power transformers
- > apply the PTM software as support tool for the entire measurement process
- > make use of the innovative connection technique and avoid potential measurement errors
- > detect winding deformation from measurement traces
- > assess SFRA measurement traces using three different methods

Training topics

- > Sources of winding deformation
- > Basics and theory to understand the SFRA measurement method
- > Comparisons of the SFRA method with conventional electrical measurements
- > Influences on the reproducibility of an SFRA measurement trace
- > Applying the reliable connection method for the highest level of comparability of measurements
- > Using the PTM software by practical measurements
- > Assessment and analysis of measurement results
- > Creating test reports for measurement documentation

Get to know

- > PTM (Primary Test Manager) software
- > FRANEO 800
- > Measurement standards (IEC 600076-18, IEEE Std. C57.149TM, CIGRE FRA brochure AG2.26)
- > Assessment standards (DLT 911-2004)

Your learning experience

You will be introduced to the relevant theoretical background knowledge as well as to the functions and the appropriate usage of FRANEO 800. In order to gain experience many SFRA examples will be analyzed during the practical exercises. Our trainer will explain the common test procedure and assist you during your own practical exercises during the training course.

The audience

Technical staff from electric utilities or companies involved in diagnosis, service and maintenance of power transformers

Your previous knowledge

Knowledge of electrical engineering