Measurements of Power Transformers with the CPC 100 and the CP TD1

Summary: After an introduction to maintenance of power transformers, you will develop your skills through theoretical and practical sessions measuring ratio, winding resistance and capacitance and power/dissipation factor with the CPC 100 and the CP TD1.

Products: CPC-Family

Prerequisites: C.0057.BBX or equivalent level of knowledge

Duration: 1 day Language: English Code: C.0059.BBB

Objectives

> Using the CPC 100 in combination with the CP TD1 for effective power transformer testing
> Preparing and performing transformer tests with the provided CPC test templates
> Preparing and performing transformer tests with our intuitive PC software
> Interpreting the results according to the latest scientific insights

Content

> Introduction to power transformer maintenance
> Theoretical background and performance of ratio, winding resistance and short circuit impedance tests
> Automated ratio and winding resistance measurements
> Theoretical background and performance of C & tan delta (capacitance and power/dissipation factor) tests on power transformers and bushings
> Interpretation of test results
> Applying predefined test templates for power transformers
> A new approach to facilitated power transformer testing with a software tool (PTM) for intuitive power transformer testing

Products

> Ratio, winding resistance, tap check, tan delta test cards
> The CPC 100 and CP TD1
> The CP SB1
> The Primary Test Manager (PTM)

Audience

Technical staff from utilities or companies working mainly in commissioning or maintenance testing of power transformers