

Diagnosis of Distribution and Power Transformers

Summary: Participants acquire the knowledge and skills to perform and operate diagnostic tests

(conventional or advanced as FRSL measures, FRA, FDS) on power and distribution

transformers. Subsequently this knowledge is embodied in practical work.

Products: CPC-Family, DIRANA, FRANEO 800

Prerequisites: General knowledge of power and distribution transformers

Duration: 4 days Language: English Code: C.0145.EAX



Objectives

> Performing diagnostic measurements on transformers

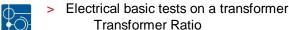


> Correlating results from different measurement methods



Content

> Introduction to the diagnosis of transformers



Winding Resistance

On-load Tap Changer Test

Short-circuit impedance measurement

(M/G)

Introduction to the measurement of tan δ (dielectric loss factor) and the frequency response of the dielectric (FDS)

Measurement of dissipation factor on insulation of windings

Implementation and interpretation of results

Introduction to the sweep frequency response analysis of the scanning coils (SFRA)

Measurement principles of the SFRA

Implementation and interpretation of results



Products

CPC 100, CP SB1, CP TD1



- DIRANAFRANEO 800
- > PTM (Primary Test Manager)

Audience

Technicians and engineers from utilities or companies responsible for maintenance and diagnostics of power transformers.