

# **Rotating Machines Diagnostics and Insulation Condition Assessment**

Summary: Become familiar with the principles of diagnostics on motors and generators. Get the most out of

the test equipment. Learn how to perform practical combined measurements and to identify

defects.

Products: MPD-Family, CPC 100

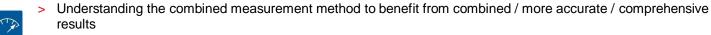
Prerequisites: Knowledge of generators and motors

Duration: 1.5 days Language: English Code: C.0151.BBX

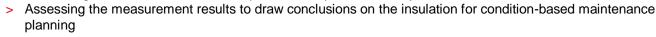


# **Objectives**

Knowing the structure of HV generator stators and their typical weak points



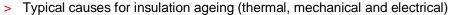
> Performing the measurement method professionally and efficiently





## Content

> Summary of most common defects of stator and rotor windings



> Introduction to the design of stator windings

> Overview of measurement methods for generator diagnostics

> References to the applicable standards based on a practical approach

> Becoming familiar with a combined setup for capacitance, dissipation/power factor and partial discharge measurement for time-efficient and comprehensive measurements

> Utilizing the full scope of the test equipment

> Assessment of the capacitance and dissipation factor measurement results

> Recognizing PD patterns and identifying defects in the insulation or winding

> Analyzing case studies of most common defects on stator windings



### **Products**



- > CPC 100, CP TD1, CP CR 500
- > MPD 600
- OMS 605
- MONGEMO

### **Audience**

Technical staff involved in motor/generator diagnostics, service and maintenance at utilities, service companies, generator manufacturers and repair workshops