

Fundamentals of Partial Discharge Testing with the MPD system

Summary: Become familiar with the basic principles of partial discharge testing using the MPD system. Learn to set-up and measure according to IEC 60270 in hands-on sessions on special training equipment. Be introduced to the interpretation of the test results.

Prerequisites: Knowledge of electrical engineering

Duration: 2.5 days

Language: English

Code: C.0171.BBX



Objectives

- > Measuring partial discharges on high voltage devices with the MPD according to IEC 60270
- > Monitoring the quality of the production process by performing measurements on assembled parts
- > Performing measurements to determine the insulation condition and identify fault types and fault location



Content

- > Getting to know the MPD system
- > Understanding how partial discharges are measured
- > Connecting the MPD to high voltage devices, such as power transformers, generators, motors, cables
- > Getting to know the software of the MPD for efficient measurements
- > Performing partial discharge tests according to IEC 60270 and the IEC standard of the test object
- > Performing real partial discharge measurements in hands-on sessions
- > Getting to know PRPD, Q(V), trend analysis
- > Interpreting partial discharge test results
- > Handling interferences



Products

- > MPD 600 and accessories



Audience

Technical staff from electric utilities, railway and service companies as well as manufacturers to be involved in partial discharge testing

