
 2 days English Cpdm01en

Become familiar with the basic principles of partial discharge measurements using the MPD system. Learn to set-up and measure according to IEC 60270 in hands-on sessions on special training equipment. Get a systematic introduction to the interpretation of test results.

### Objectives

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

### Content

- > Understanding the Why? What? When? of partial discharge analysis
- > Be aware of the origin, the types and breakdown mechanism of PD
- > Learn about the de-coupling methods according IEC 60270, charge calibration and visualization of PDs
- > Performing practical PD measurements during different hands-on sessions according to IEC 60270 standard
- > Getting to know the MPD 800 + MPD Suite software for time efficient measurements
- > Learn about additional Noise suppression techniques (Gating, 3PARD, 3FREQ)
- > Interpreting PRPD patterns for different applications (Cables, Switchgear, Motor/ Generators, and more)

### Solutions

MPD 800 and accessories,  
MPD Suite Software

### Audience

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

### Prerequisites

Knowledge of electrical engineering