


Partial discharge diagnostics on MV and HV cables with the MPD series

 1 days

 English

 Cpdm08en

Become familiar with the basic principles of partial discharge measurements applicable for cables using the MPD 800 system.

Learn to measure and locate partial discharge activity on cables with hands-on sessions on a 15 kV medium voltage cable. Get a systematic introduction to the interpretation of test results.

Objectives

- ▶ Measure and locate partial discharges on medium voltage and high voltage devices with the MPD 800
- ▶ Learn to use time-domain reflectometry and time of flight to locate PD in cables
- ▶ Perform 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 cables
Getting to know the MPD software for efficient measurements
Performing partial discharge tests according to IEC 60270 and other relevant standards
Performing real partial discharge measurements in hands-on sessions
Getting to know PRPD, TDR, ToF and sTDR
Interpreting partial discharge test results
Handling interferences

Solutions

MPD 800 and accessories

Audience

Technical staff from manufacturers, electric utilities, railway and service companies to be involved in partial discharge testing and condition assessment of cables

Prerequisites

Basic knowledge of PD measurements