

CT/VT Diagnostics – fast & standard compliant testing with automatic accuracy class assessment

Solutions: CTAnalyzer, VOTANO

Summary: Learn how to assess the performance of instrument transformers utilizing the CT Analyzer and the VOTANO 100. Get familiar with various measurement approaches, generating reports effectively, the instrument transformer class assessment according to international standards as well as special application examples.

Prerequisites: Knowledge of electrical engineering

Duration: 1 day

Language: English

Code: C.0124.BBB



Objectives

- > Using both the CT Analyzer and the VOTANO 100 approach to best advantage for CT and VT testing
- > Classifying instrument transformers according to the relevant international standards (IEC and IEEE)
- > Assessing specified parameters of instrument transformers
- > Handling special application examples such as bushing type CTs and instrument transformers buried in a GIS system, etc.
- > Generating test reports with the PC Toolset software



Content

- > Basics of instrument transformers (electro-physical principles, different types and designs)
- > Relevant standards for instrument transformers to understand the CT Analyzer's and VOTANO 100's settings
- > Measuring principles and operation of the CT Analyzer and VOTANO 100 for effective testing on instrument transformers
- > PC Tool set for easy preparation and reporting of instrument transformer testing



Solutions

- > CT Analyzer
- > VOTANO 100
- > Classes and relevant content of the standard IEC 60044-1, IEC 60044-2, IEC 60044-5, IEC 60044-6, IEC 61869-2, IEC 61869-3 and IEC 61869-5
- > Classes and relevant content of the standard IEEE C57.13 and ANSI C93.1



Audience

Technical staff involved in instrument transformer testing in utilities, transmission, distribution and generation networks, railway grids, service companies and manufacturers.