

Partial discharge measurement and vibration monitoring on power transformer case study on power transformer with high level noise (75.22 dB)

Abstract

This paper is a study and share information of partial discharge measurement and vibration monitoring on power transformer. Power transformer is one of the critical components in power plant and transmission power system. Therefore, an appropriate maintenance program should be applied to the transformer in order to make power system more reliable and to prevent transformer failure at early stage. One of the problems concerning the power transformer is high level noise during its operation.

Keywords — Partial discharge, sensor, vibration