Partial Discharge Monitoring System for Switchgear

The partial discharge monitoring system is an advanced solution for continuous partial discharge detection. It is suitable for monitoring in medium-voltage and high-voltage electrical assets such as switchgear.

ADDITIONAL IMAGES

Product Overview

Advanced Partial Discharge Monitoring

The online partial discharge monitoring system is designed to provide real-time insulation degradation diagnostics for switchgear. By utilizing a combination of high-frequency sensors and automated data acquisition, it enables proactive maintenance strategies to prevent costly equipment failures. The system supports complex integration via industrial protocols and is built for long-term reliable performance.

Technical Specifications

TEV Measurement Range

60 dBµV
TEV Range

AA Measurement Range

60 dBµV
AA Range

UHF Measurement Range

100 dBm
UHF Max

System Capabilities

HMI Features

Panel-mounted • Automatic data acquisition • Automated analysis • SCADA integration ready

Maximum Sensors Supported	96
Communication Interfaces	RS-485, MODBUS-RTU, LoRa (470-510MHz)

Power and Installation

Power Requirements

- External power supply support
- Battery power: 7.2V 3000mAh