

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 dB μ V
TEV Range

AA Measurement Range

60 dB μ V
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