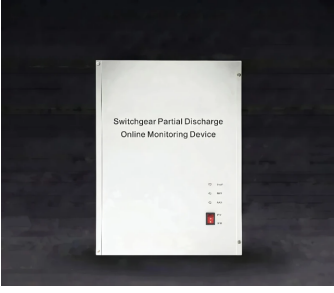


HF-W-703

Switchgear Partial Discharge Monitoring



Switchgear Partial Discharge Monitoring uses TEV and acoustic emission sensors to continuously detect insulation deterioration and hidden faults inside high-voltage switch cabinets. It pinpoints discharge positions, issues timely early warnings and effectively prevents power grid accidents caused by insulation breakdown.

Key features

- High-performance Sensors : Transient Earth Voltage (TEV) sensors and Acoustic Emission (AE) ultrasonic sensors.
- Monitoring Terminals : Collect data from sensors, conduct preliminary analysis and processing, and transmit data to the comprehensive analysis server via network.
- Ultra-wideband signal acquisition covering a frequency range from 20 kHz to 1.5 GHz.
- Precise fault localization to pinpoint the specific switchgear with partial discharge.
- Fully digital design with excellent electromagnetic compatibility and anti-interference capability to guarantee the accuracy of monitoring data.

Technical specifications

Parameter	Value
1	Measuring Channels 2 ~ 32 channels
2	Sampling Resolution 12 Bit
3	Detection Sensitivity 50 pC (electrical signal)
4	Measuring Range 50 pC ~ 10000 nC (electrical signal)
5	Maximum Permissible Error 25% (electrical signal)
6	Monitoring Frequency Band Channel A: 10 kHz ~ 5 MHz Channel B: 10 kHz ~ 1 MHz
7	Supported Sensor Types HFCT, Ultrasonic, TEV, UHF sensors
8	Channel Switching Time <= 10 seconds
9	Recommended Monitoring Frequency No less than 3 times per day
10	Power Supply Single-phase AC 220 V, 50 Hz, 20 W
11	Operating Ambient Temperature -10 °C ~ 50 °C

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.