



iTEV Plus

Dual-Sensor for PD detection of MCSG

ASSISTS IN THE DETECTION OF PARTIAL DISCHARGE ACTIVITY IN METAL-CLAD SWITCHGEAR

The iTEV Plus™ is Innovit Electric's leading PD sensor for detecting and measuring Partial Discharge activity in Medium Voltage switchgear.

Dual-sensor capability means that PD activity can be measured on the surface using Ultrasonic detection AND internally by measuring Transient Earth Voltage (TEV) signals. This innovative sensor is the key to understanding the condition of your MV assets and achieving greater system reliability and safety.

The iTEV Plus™ can be magnetically attached to the inner surface of the metal-clad switchgear, typically to cable termination, to detect TEV and Ultrasonic signal representing PD inside.

- Detect voltage spike generated from the metal casing of HV equipment.
- Locate PD source in HV equipment by the amplitude of transient earth voltage.
- Magnetically attached to the inner surface of MCSG.
- Suitable for switchgears PD detection.
- The response rising time of pulse for PD detection can reach the nanosecond level.

Technical Specification

TEV Sensor

Recommended Load Impedance	50 Ω
Bandwidth	3~ 100 MHz
Measurement Range	-40 - 60 dBmV
Output Connector	SMA

Dimensions

Weight	325 g
Size	80 mm x 80 mm x 35 mm

Ultrasonic Sensor

Measurement Range	-7- 68 dBμV
Centre Frequency	40 kHz
Output Connector	SMA

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