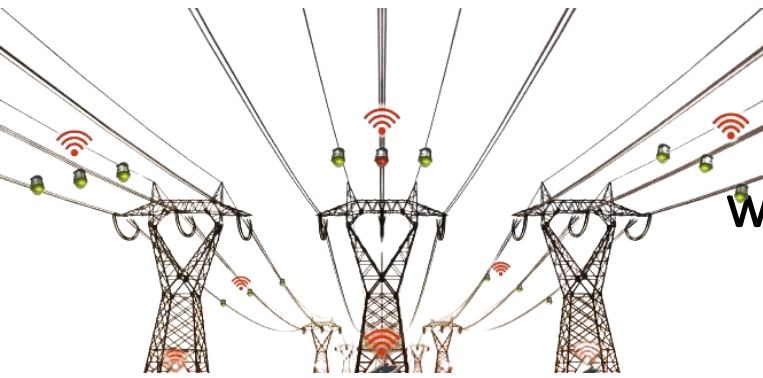


Overhead lines fault indicators and current waveforms analyzers OLF1



PowerView
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Overall Status ●

Electrical Test Status ●

Monitoring Status ●

Thermal and Corona Inspection ●

Visual Insection Stati ●

Scheduled Action



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Detection & Monitoring

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Pioneering the future of power testing and monitoring

Overhead lines leakage current monitoring and insulators analyzer OLCM



Short Circuits, Transients

Overhead lines, integral to power transmission, face the inherent risks of short circuits and current transients. Short circuits occur when an unintended path allows an abnormal flow of current between conductors, often resulting from environmental factors or equipment failures. Current transients, characterized by sudden, brief spikes in voltage or current, can be induced by lightning strikes, load changes, or switching events. Both short circuits and transients pose threats to the stability and integrity of electrical systems. These disturbances can lead to power outages, equipment damage, and safety concerns.

Fault current indicators are crucial components in the monitoring and maintenance of overhead power lines. These indicators serve as early warning systems, detecting and signaling the presence of faults or abnormal currents in the electrical network. When a fault, such as a short circuit, occurs on an overhead line, the fault current indicator promptly identifies the location of the issue.



Description

The POWER VIEW Overhead lines fault indicators monitors load currents, transient currents and temperature. This system using a smart algorithm that analyzes the change of the electromagnetic field around the conductor and can detect.

- Permanent faults, for example short circuits
- Current transients
- Earth fault

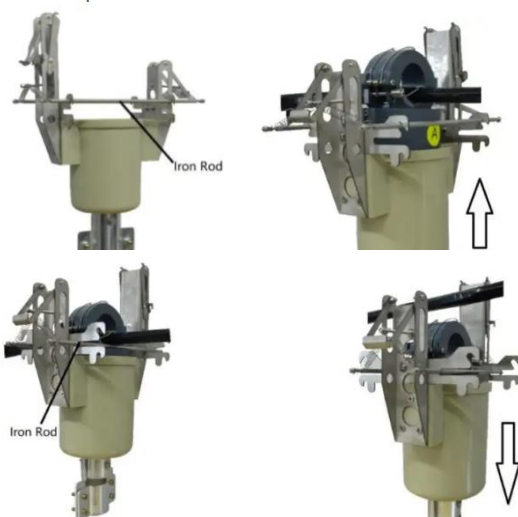
The monitoring system is available in several configurations and versions with IP protection classes starting from IP65. The power supply is Solar with no maintenance needed.



Easy Installation

Save and easy installation with a help of insulation rod, ultra-long-range wireless communication and the most advanced software integrated.

The mechanism is similar to a mouse trap. Firstly, the mechanism is opened with hands. With the hot stick the indicator is pushed on the conductor and the mechanism closes. When removing the indicator, the indicator is pulled down with the hot stick.



Early fault detection and notification

Measures load current, transient current, fault detection, fault type, temperature.



Ultra-long wireless communication and low power consumption

Wireless communication at ultra-long-range of tens kilometers.



Easy fault management

The Overhead Lines fault indicator powerful wireless software which integrates all substation elements. Users can view history and trending and be notified by individual alarms once fault is detected. All the alarms are fully configurable according to the user's needs.



Mobile app

The software comes with a powerful Mobile app (Android IOS) for a complete substation analysis, monitoring and inspection.

Technical specification

■ **Alarms, notifications and reporting**

Fully customizable alarms , email and SMS notification and trending

■ **Low ownership Smart substation integration**

Easy installation (takes less than 1 hour to completely integrate the system for 3 phase cable

■ **Advance Measurement Technology**

■ **Open circuit protection** and nonflammable material CT

■ **Aluminum diecast enclosures** with more impact resistance then ABS enclosures

■ **IP-67 protection class enclosures** protects your PCB from dust, liquid, impact and moisture which are needed for durability on outdoor conditions

■ **Heavy duty outdoor**

Voltage Level	Up to 110 kV, different configurations available	Short-term current	31.5 kA / 4s
di/dt	Adjustable, 1A step, 150 A default	Flash interval	2 s
Overcurrent duration	20 ms	Indication visibility (daytime)	>100 m
Power supply	Solar and energy harvesting	Installation	Insulation gloves or hot stick (recommended)
Operating frequency	50, 60 Hz	Operation Temperature	-40~85°C
Wire diameters	Up to 28 mm, customizable	Dimension	Depending on the configuration
Installation altitude	Up to 4500 m	Standard	IEEE 495, 2007
		Starting current	>10 A
		Current accuracy	0 A < I < 300 A : +- 3 A; I>300 A : +- 1 %



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