

Overhead lines leakage current monitoring and insulators analyzer OLCM



Detection & Monitoring



www.powerview-energy.com



 **PowerView**
Testing & Monitoring Equipment

Pioneering the future of power testing and monitoring

Overhead lines leakage current monitoring and insulators analyzer OLCM



Easy fault management

Less than 30 min installation, ultra-long-range wireless communication and the most advanced software integrated.



Insulators faults

Faults in overhead lines happen due to insulators degradation and imperfection, corona, aerosols and moisture. Although the insulators are cheap to replace troubleshooting and finding the broken or damaged insulator in overhead lines can be tricky in some situations where fault is not indicated by really, fault is not visible, flashover happens at only high voltage and load can, not accessible terrain etc. The reason for insulators faults can be many such as poor craftsmanship, physical damage during installation, overloading, material imperfection stress etc.

Overhead lines insulators fault causes power supply downtime which sometimes results with penalties, production losses and additional network problems.



Description

The POWER VIEW OLCM is permanently installed on a Overhead lines pole grounding system. Monitors and analyzes real time insulation leakage currents under load conditions. This helps in early detection of all insulator problems. Using smart algorithm and additional sensors the interferences are eliminated and true insulators analysis is achieved.

The monitoring system is available in several configurations and versions with IP protection classes starting from IP65. The power supply is Solar on a battery back up supply unit suitable for unattended 5 years operation with no battery replacement



Early fault detection and notification

Measures leakage current on the Overhead pole grounding point.



Ultra-long wireless communication and low power consumption

Wireless communication at ultra-long-range of several tenths of kilometers



Easy fault management

The Overhead Lines leakage current monitor comes with 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 Users 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

■ **Neoprene seal** to obtain IP-65 Protection class

■ **IP-65 protection class enclosures** protects your PCB from dust, liquid, impact and moisture which are needed for durability on outdoor conditions

■ **EMI shielded housing**

■ **Heavy duty outdoor**

Rated Primary Current	IAC10A (50/60Hz)	Output Part	Lead Wire : Approx. 4000mm (with Y Terminal: V1.25-B3A)
Measurement Current range	1mA~10A	Rated Category	CAT IV 600V
Max. Capable Current	100A	Withstanding Voltage	AC2200V/1 minute (between output terminal and CT)
Nominal CT Ratio	4500:1	Insulation Resistance	More than 100MΩ by 500V insulation tester (between output terminal and CT)
CT Inside Diameter	Φ22mm	Operation Temperature	-25~60°C, less than 80%RH w/o condensation
Applicable Frequency	10Hz~5kHz	Dimension	57.5×66.3×22mm
Output Example	AC19.1mV ± 5% (200mA/430Ω)	Standard Accuracy	Compliant with RoHS directive 5% full range
		Power supply	5V battery DC solar option or 180-260V AC 50Hz



2416 Main Street
Vancouver
BC V5T 3E2
Canada



Tel: + [1 \(778\) 8194363](tel:17788194363)
Fax+ [1 \(778\) 8194363](tel:17788194363)
Email: info@powerview-energy.com
Web: www.powerview-energy.com