Cables leakage current monitoring CLCM

Detection & Monitoring

PowerView
Testing & Monitoring Equipment

Pioneering the future of power testing and monitoring

www.powerview-energy.com

Cables leakage current monitoring CLCM Detection & Monitoring

Easy fault management

Less than 1 hour installation, ultra-long-range wireless communication and the most advanced software integrated.

Early fault detection and notification

Measures leakage current between the cable sheath and the conductor.

Cable faults

Cables faults are among the most common ones in the power networks. The reason for cables faults can be many such as pour craftmanship, sheath physical damage during installation, overloading, digging and other mechanical activities, material imperfection stress etc.
Cable's fault causes power supply downtime which sometimes results with penalties, production losses and additional network problems.

Ultra-long wireless communication and low power consumption

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

Description

The POWER VIEW CLCM is permanently installed on a Cable sheath. Monitors real time insulation leakage currents between power cables and corresponding sheath under load conditions. This helps in early detection of all insulation problems on power cables main insulation . Using smart algorithm and additional sensors integrated- the interferences and outdoor discrepancies are eliminated, and the sensors measure true insulation leakage current.

The monitoring system is available is available in several configurations starting from 1 phase version, 3 phase version, 6 phase version . All versions are available in various IP protection classes starting from indoor to outdoor IP65 installation. The power supply is 5V DC and it can be either network, solar or battery supply unit. The power consumption is less than 1mA!

Easy fault management

The Power cables 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.

Installation

The installation is as simple as putting one current clamp over each cable sheath and scanning a QR code. The connection is only needed on one side of the cable end . This wirelessly connects the monitoring device to advanced cloud maintenance SCADA system which offers various alarm notification options. It generally takes less than 5 minutes to configure and connect the monitoring device .

Mobile app

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

The system comes with 8 preset alarms according the International organization for digital substation Development such as Daily, weekly, monthly ROC limit and Absolute value. All alarms are editable by the user.

PowerView
Testing & Monitoring Equipment

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	**AC100A（50/60Hz）**
Applicable Current	2.5 mA～10A
Max. Capable Current	100A
Nominal CT Ratio	4500:1
CT Inside Diameter	ϕ22mm
Applicable Frequency	10Hz～5kHz
Output Example	AC19.1mV ± 5%（200mA/430Ω）

Output Part	**Lead Wire： Approx. 4000mm （ with Y Terminal: V1.25-B3A）**
Rated Category	CAT IV 600V
Withstanding Voltage	AC2200V/1 minute (between output terminal and CT)
Insulation Resistance	More than 100MΩ by 500V insulation tester (between output terminal and CT)
Operation Temperature	-25～60°C, less than 80%RH w/o condensation
Dimension	57.5×66.3×22mm
Standard	Compliant with RoHS directive
Accuracy	5% full range
Power supply	5V battery DC solar option or 180-260V AC 50Hz

PowerView
Testing & Monitoring Equipment

2416 Main Street
Vancouver
BC V5T 3E2
Canada

GET IT ON Google Play
Download on App Store

Tel: + 1 (778) 8194363
Fax+ 1 (778) 8194363
Email: info@powerview-energy.com
Web: www.powerview-energy.com

Pioneering the future of power testing and monitoring