GF2018

High Voltage Wireless Primary Current Sensor

1. *Collect and analyze load profiles*
2. *Easily clamps to the line in a few seconds*
3. *Check for load balance*
4. *Patented open CT sensor with ±1% accuracy*
5. *433M communication with no annoying cables to connect*
6. *Recorded data quickly downloads into the user's PC*
7. *PC-Link Software interface downloads directly into Microsoft Excel and PDF file*
8. *Generate reports and create graphs for profile analysis*

Features

1. The Primary current sensor uses the same sensor technology as the original Rogowski coil. The True RMS inductive sensor does not use magnetic materials. The opening of the sensor is electronically closed and external currents are electronically rejected.
2. The accuracy, external current reject, and range of currents measured by the patented amp sensor substantially exceed the performance of the best clamp-on sensors. The key feature of the unit is the ability to leave it deployed on the line to record readings every 15 minutes for 90+ days. It easily attaches to the line with a standard insulating bar. Once on the line, it immediately begins to collect and record the primary current on the line.
3. The Primary current sensor is equipped with a 433M wireless port for communicating the recorded data into the user's PC. The data is downloaded through GF2018S PC-Link Software, which allows the user to download, view and query the data stored on the Primary current recorder.
4. The housing of the Primary current sensor is made of ABS+PC and is built to operate safely, even in severe utility environments. It is resistant to shock, waterproof and resistant to flame. It also operates within a wide temperature range. The Primary current recorder has a screw insulation bar of installation, which allows it to hang on the line securely in all weather conditions.
5. PC-Link Software is a user-friendly software interface that allows the user to download, view, graph and export data from the Primary current recorder into Microsoft Excel. The data directly transfers from the Primary current recorder into Excel through an 433M Port.

Parameters

Basic parameters	
Recording ammeter kit	3 wireless current sensors (GF2018A, GF2018B, GF2018C) 433 HHT(handheld terminal) or 433M wireless data reader(GF2018R) Install Holder PC-LinkSoftware software(GF2018S) Carrying case
Data recording interval	1min, 5min, 10min,15min, 30min; Time can be set from 1 second to 60 minutes
Communication distance(wireless)	Max 100m
Communication	433M, 868M or 915M (option)
Installation	Installation with electricity; Disassemble with electricity
Battery	3.6 volt lithium battery,9000mAh; Battery can be replaced
Software requirements	PC-Linksoftware & microsoft Excel
Processor	100 MHz or higher (200 MHz or higher recommended)
RAM	32 MB, 64M recommended
Drive space	15 MB to load software, 10 MB of operating Space
Use of position	Outdoor or indoor
Electrical parameters	
Range of operation	
Voltage	69kV,35kV,20KV, 10kV, 6kV ,0.38kV
Current	0 to 400A; 0 to 800A; 0 to 1500A; 0 to 3500A;
Sensor opening	Up to 3.3 cm
Resolution	
Amps 1 to 99.9A	0.1A
100 to 400A	1A
Amps accuracy	±1% of reading plus 2 counts
Frequency	60Hz (57-63 Hz) or 50Hz (47-53 Hz) models available
Mechanical parameters	
Weight (kg)	0.38(one current sensor)
Carrying case(kg)	6.5
Environmental conditions	
Operating temperature	-40°C to 60°C