

## GF2022

### WIRELESS HIGH VOLTAGE VOLTMETER WITH HOT STICK

GF2022 wireless high voltage voltmeter, also known as full intelligent wireless high and low voltage voltmeter, with voltage, voltage level and frequency indication, is used for low-voltage and high-voltage transmission power line test, high-voltage transmission power line to ground voltage test, induced voltage test and high-voltage transmission power line test, etc. the instrument is composed of collector, insulating pole, receiver, ground wire, grounding metal rod, etc., and the test range is 0-69kV (400V, 10kV, 15kV, 20kV, 33kV, 69kV) full intelligent test voltage and power test range from 0 to 500kV (400V, 10kV, 33kV, 110KV, 220kV, 500kV). When the voltage of the bare conductor is 0-69KV, the collector can touch the test voltage and test the electricity, and display the voltage value at the same time; when the voltage of the bare conductor is more than 69KV, the non-contact test is adopted, and the collector can complete the test when it is close to the conductor gradually.

### Application

1. Power plant;
2. Power engineering company;
3. Distribution power corporation;
4. High voltage commission company;
5. Electricity power bureau & power company;
6. Electrical Department of property company;
7. Electric power maintenance engineering company;
8. Electrical Department of industrial and mining enterprises;
9. Anti theft Inspection Department of electricity power company;



### Features

1. 3.5 inch color TFT LCD;
2. Transmission voltage test of high voltage line;
3. 5000 group data logger;
4. Accurately measure 0.00-69KV voltage RMS value;
5. Integrated design ensures;
6. Surface voltage equipotential test of electrical equipment;
7. Voltage measurement accuracy 1%;
8. Intelligent test voltage and power test range from 0 to 500kV;
9. Easy to install and remove with power line;
10. Wireless communication technology, transmission distance 100m;

## Parameters

Electrical parameters	
Power supply	Voltmeter: DC 3.7V rechargeable lithium battery, Receiver: DC8.4V rechargeable lithium battery, working 8 hours
Function	Wireless high voltage phase voltage, voltage to ground, voltage level, frequency, electricity test, electric field judgment, etc
Electrotest mode	Contact: conductor voltage below 69KV (with insulation rod) Non-contact: electricity test, volt over 69KV test by close gradually (with insulation rod)
Transmission mode	433M Wireless transmission, the maximum distance of straight line transmission is about 100m
Display mode	Size 73mm×55mm; display area 69mm×52mm; 3.5" True color LCD
Metal hook	Outer Diameter 68mm
Sampling rate	2 times/second
Data save	5000groups
Test Range	With earth wire: 0-69KV, without earth wire :1kV-69KV Voltage to ground: 0-69KV (Line to line volt multiply 1.732 , that say $\sqrt{3}$ ) Electricity test: 0-500kV(exceeds) Frequency: 45.0Hz~65.0Hz
Resolution	Resolution 1V (100V-2000V) 0.01kV (2.00kV-20.00kV) 0.1kV (20.0kV-110.0kV) 0.1Hz
Voltage accuracy	With earth grounding wire: $\pm 1\% \pm 2 \text{dgt}$ (0-69KV) Without earth wire: $\pm 15\% \pm 5 \text{dgt}$ (1kV-69KV)
Frequency accuracy	$\pm 1 \text{Hz}$ (0.1kV-69KV)
Automatic shutdown	15 minutes after boot
Structure	Anti-drip type II
Mechanical parameters	
Meter size (LxWxH) (mm)	Collector: 275mm×105mm×52mm Receiver : 250mm×100mm×45mm
Meter weight	Collector: 230g(with battery) Receiver: 410g(with battery) Total weight: 4.6kg(with battery and insulation rod)
Insulation Rod length	Carry on length 0.6m, stretched 4.2m
Earth wire	7meters

**Mechanical parameters - continued**

Insulation strength	Insulation Rod: AC 220kV/rms(stretched at both ends) collector: 2000V/rms(between far shell points) receiver: 2000V/rms(between far shell points)
Structure	Anti dripping leakage type II

**Environmental conditions**

Working temperature	-10°C to 50°C
Working humidity	Below 80%Rh
Storage temperature	-20°C to 60°C
Storage humidity	Below 70%Rh

**Accessories**

Voltmeter Connector	1 pc
Voltmeter Receiver	1 pc
Metal hook	1 pc
Insulation rod	1 set
Rechargeable Battery	2pcs
Charger	1 set
Portable package	1 pc