TAG7000A Wireless high voltage electroscope

TAG7000A wireless high-voltage electroscope is specially designed and manufactured for high-voltage transmission line power inspection, high-voltage transmission line ground voltage and induced voltage testing. The product breaks through the limitations of traditional high-voltage electroscopes that can only test whether there is electricity. This instrument can test the high-voltage to ground voltage at the same time as the electricity test alarms. The electricity test voltage level is 380V ~ 220KV, fully covering all voltage levels (380V, 6.6 kV , 10 k V, 35 k V, 66 k V, 110 k V, 220 k V) electricity test and ground voltage test, there is no need to purchase multiple sets of high-voltage electroscopes according to different voltage levels, saving costs, safe, reliable, time-saving and fast , is an essential tool for power transmission line maintenance. During the inspection and maintenance of transmission lines, even if the line has been disconnected, due to the capacitance effect, very high high voltage may still exist through induction, seriously threatening the safety of the operator and the operation process. The presence of the cable must be checked by an electroscope. Whether the voltage has dropped to a safe and operable voltage level.

🕮 Product features

1. Use an insulating rod to hang the detector on the high-voltage line to test electricity and display the voltage of the high-voltage line.
2. Safe and fast, an essential tool for power transmission line maintenance.
3. 220 kV , no need to equip multiple electroscope rods.
4. Wireless transmission, sound and light alarm function, data upload function.

Product specifications and technical parameters

1. Range and accuracy

Measurement function	Measuring range	Accuracy
Voltage to ground	0.1KV～150kV	High voltage overhead lines±15%rdg±5dgt (Other applications: ±25%rdg±5dgt)

2. The main parameters

Function	Wireless high voltage electricity test, high voltage voltage and induced voltage test
Power supply	Receiver: DC6V, 4 AA alkaline batteries
	Detector: Zinc-manganese dry battery 6F22, 9V
Transmission distance	Wireless transmission, straight line transmission distance is about 30 meters
Electricity test voltage range	380V～220KV
Voltage level display	380V, 6.6KV, 10KV, 35KV, 66KV, 110KV, 220KV
Probing hook caliber	Φ50mm
Probe length	110mm
Wireless frequency	433MHz
LCD size	47mm×28.5mm
Power indicator	The detector has a green power indicator light
Electricity test instructions	During the power test, the detector has a sound and light indication function, a red double flashing light indication and a "beep--beep--beep" buzzer.
Display rate	2 times/second

Data storage	99 groups (data will not be lost if power is lost or the battery is replaced)
LCD backlight	With backlight
Automatic shut-down	The meter will automatically shut down after about 15 minutes of power on.
Low battery indicator	When the detector battery voltage drops to 7.2V±0.1V, the green power indicator light flashes; when the receiver voltage is lower than 4.8V± 0.1V, a low battery voltage symbol is displayed to remind you to replace the battery.
Rated current	Detector: 75mA max; Receiver: 35mA max
Communication Interface	USB
Instrument quality	Instrument: 660g (including battery); total mass of packaging and insulating rod: about 5.6Kg
Instrument size	Receiver: 78mm×165mm×42mm; detector 300mm×273mm×85mm
Insulation rod length	Maximum diameter Φ38mm; length: 850mm in contracted state; 3600mm in extended state
Insulation test	Both ends of the insulating rod after stretching: AC 220KV/rms
	Receiver and detector: AC3700V/rms (between exposed metal and plastic shell)
External interference	No extremely strong electromagnetic fields; there should be no 433MHz co-frequency interference at the test site
Working temperature and humidity	-10℃～40℃；≤80%rh
Storage temperature and humidity	-10℃～60℃；≤70%rh