T-211

WIRELESS HIGH VOLTAGE PHASOR CHECKER

T-211 wireless high voltage phasor checker is specially designed and manufactured for the phasor checker of high-voltage line. It breaks through the limitation of traditional phasor checker voltage level. It can check phasor in very low-voltage line, and fully realize automatic check phasor (such as 220V, 10kV, 35kV, 66kV, 110KV, 220kV, 550kV) and voltage measurement from 70V to 550kV voltage. It is unnecessary to purchase multiple sets of phasor checkers according to voltage level, so as to save cost, Less carrying, time-saving and fast. For the phasor checker of the high-voltage line (when the voltage exceeds 400V), the metal probe hook of the detector can be gradually close to the conductor. When the electric field signal is induced, the phasor checker can be completed without direct contact with the high-voltage conductor, which is safe! When the voltage of bare conductor exceeds 35kV, non-contact nuclear phase must be used. The nuclear phase detector also has the functions of testing phase, frequency, phase sequence, electricity verification, voltage measurement, transformer group judgment and so on.

T-211 wireless high voltage phasor checker is composed of host, detector, telescopic insulating rod, etc. the linear transmission distance of wireless signal is about 30m. The host adopts 3.5-inch true color LCD screen, which can display phase, frequency, phase sequence and nuclear phase results on the same screen; Vector diagram indication and phase indication are clear and intuitive; It has voice prompt functions such as "X signal is normal, Y signal is normal, in-phase and out of phase", which makes the test easier and easier.

Features

1. Auto check;
2. Low power design;
3. With luminous beep;
4. Wireless mode check ;
5. 70V~550kV phase check;
6. 3.5 inch color LCD display;
7. Wide detection voltage range;
8. Standard IEC6148-A2:2004; IEC61243-1;

Functions

1. Phasor check
2. Frequency test
3. Detection voltage range
4. Phase sequence display
5. Transformer group judgment
6. Voltage RMS value measurement

Parameters

Electrical parameters	
Function	Frequency measurement, phase measurement, phase sequence display, voltage measurement and voltage inspection
Power supply	Phasor checker: DC7.5V, Alkaline Dry Battery AA X 5 Detector: 9V cell batteries(6F22)
Checking phasor mode	Contact type check phasor: the bare conductor below 35KV or the conductor with insulating sheath below 550kV can contact the conductor core phase and non-contact type check phasor. When the bare line voltage exceeds 35kV, non-contact test must be adopted, and the probe gradually approaches the check phasor of the conductor.
Transmission distance	Wireless transmission, straight-line transmission distance is about 30 m
Phase discrimination	Same phase shift:—30°～30°; different phase shift:90°～150° & 210°～270°
Checker phasor voltage	70V - 550kV
Phase range	0.0° - 360.0°; accuracy:≤±12°; Resolution: 0.1°
Frequency range	45.0Hz - 65.0Hz;accuracy:≤±2Hz; Resolution: 0.1Hz
Voltage range	70V - 110kV; accuracy:±15%±5dgt; Resolution: 100V
Voltage accuracy	High voltage overhead line ±15%±5dgt（Other applications： ±25%±5dgt）
Emission frequency	433MHz, 315MHz
LCD	3.5 inch color LCD, 72mm×55mm
Phase indication	Phasor diagram and digital display at the same time
Work instructions	During checker phasor, the detector has sound and light indication function, red double flashing light indication and "beep beep beep"
Data storage	100 Groups
Consumption	Detector: Max 70mA; Phasor checker: Max 150mA
Length of insulating rod	Maximum diameter Φ38mm; Reduced length: 800mm; The extension is 3015mm
Insulation strength	Phasor checker & Detector: 3.7kVrms; Both ends of insulating rod after stretching: AC 220kV/rms
Suitable for Safety Regulation	EN61010-1:2001, EN61010-031:2002, IEC61481−A2:2004; IEC61243−1 ; GB13398−92; GB311.1−311.6−8; 3DL408−91; General technical conditions for 1kV～35kV portable phasor checker for live working DL/T971-2005
Mechanical parameters	
Dimensions	Phasor checker: 187×119×48mm Detector: 146×100mm
Weight (g)	Detector: 250g (with Metal hook & battery)*2, Phasor checker: 450g(with battery)
Environmental conditions	
Operating Temperature	-15°C to +55°C
Storage Temperature	-20°C to +65°C
Relative humidity	0%-85% RH

Accessories