

## TAG8000 Wireless Phase Failure Detector

The TAG8000 Wireless Phase Failure Detector is specially designed and manufactured for high voltage lines and high voltage switchgear (central cabinet, ring network cabinet, etc.) phase detectors. The instrument breaks through the voltage level



limitations of traditional phase detectors and can automatically phase detectors in extremely low voltage lines from 10V to 500kV. There is no need to purchase multiple sets of phase detectors according to the voltage level, saving costs, reducing portability, and saving time and speed. This nuclear phase detector has a long wireless transmission distance, with a nuclear phase distance of up to 200 meters (in an open field). This nuclear phase analyzer also has functions such as testing phase, frequency, and phase sequence judgment, as well as functions such as power verification and voltage level display. When the line voltage exceeds 110kV, non-contact core phase must be used. During the core phase, the metal hook of the detector should gradually approach the wire. When the electric field signal is sensed, the core phase can be completed without direct contact with the high-voltage wire, which is safe and fast. When used for the core phase of the ring main cabinet, the detector must use probes and ring main cabinet test wires. The host adopts a 3.5 inch true color LCD screen, which can display phase, frequency, phase sequence, and core phase results on the same screen; Vector diagram indication and phase indication, clear and intuitive; It has voice prompt functions such as "X signal normal, Y signal normal, in phase, out of phase", making testing simpler and easier.



### Product Features

1. Adopt wireless transmission technology, phase detecting distance 200m, phase detecting accurately, operation convenient.
2. Voice prompt: "X signal is normal, Y signal is normal, same phase, out phase"
3. Adopt 3.5inch LCD color screen can display the phase, frequency, phase sequence,

and phase detecting results on the same screen. The dynamic vector diagram indication, clear and obvious.

4.The meter also has electricity inspection function, can display the voltage class.

5.Data storage function, can store 200 groups of data. USB interface with data upload function, storage data can be uploaded to the computer, save and print.



## Product specifications and technical parameters

<b>Power Supply</b>	Host: 3.7V 2600mAh, rechargeable lithium battery; Detector: 3.7V 600mAh , rechargeable lithium battery
<b>Phase Detection Method</b>	1. Contact mode phase detecting: circuit line below 35kV 2. Non-Contact mode phase detecting: when the line voltage exceeds 35kV, must adopt non-contact mode to testing, the probe gradually approach the conductor to phase detecting
<b>Phase Detection Voltage</b>	AC 10V ~ 500kV
<b>phase detection distance</b>	260m
<b>Voice Prompt</b>	“X signal is normal, Y signal is normal, same phase, out phase”
<b>Phase Qualitative</b>	Same phase: $-20^{\circ} \sim 20^{\circ}$ ; Out of phase: $100^{\circ} \sim 140^{\circ}$ and $220^{\circ} \sim 260^{\circ}$
<b>Phase Range</b>	$0^{\circ} \sim 360^{\circ}$ ; Accuracy: $\leq \pm 10^{\circ}$ ; Resolution : $1^{\circ}$
<b>Frequency Range</b>	45.0Hz ~ 65.0Hz; Accuracy: $\leq \pm 2\text{Hz}$ ; Resolution : 0.1Hz
<b>Electricity Test Indication</b>	“du--du--du” buzzing sound
<b>Voltage Display</b>	Display voltage class
<b>Transmitting Frequency</b>	433MHz
<b>Phase Indication</b>	Vector diagram and digital display at the same time
<b>Display rate</b>	2 times/second
<b>Data Storage</b>	200 groups(Power down or replace the battery will not lose data)
<b>Automatic Shutdown</b>	15 minutes after boot up, the meter shuts down automatically without any operation
<b>Rated Current</b>	Detector: 30mA max; Host: 150mA max
<b>LCD Size</b>	3.5 inch color screen; Display area: 71mm×53mm
<b>Instrument Weight</b>	Host: 887g(include battery); Package and insulation : about 7.84kg (include insulation rod and accessories)
<b>Instrument Dimension</b>	Host 195mm×100mm×45mm; Detector : 130mm×65mm×45mm
<b>Insulation Rod Length</b>	Max Diameter: $\Phi 45\text{mm}$ ; Length: contraction state 1000mm; stretched state: 4500mm
<b>Insulation Test</b>	The insulation rod stretched to both ends: AC 220kV/rms; host, detector AC 3700V/rms (between exposed metal and plastic shell)



---

## Rui Du Mechanical and Electrical (Shanghai) Co., Ltd



**TEL:** +86-021-68769756

**Contact:** Nico Zhou

**Position:** Sales Manager

**Email:** [sales@hvtesters.com](mailto:sales@hvtesters.com)

**Website:** [www.hvtesters.com](http://www.hvtesters.com)

**Mob/ WhatsApp:**

**+86-136 6190 8522**