

## Wuhan TAG-8000 Wireless HV Phase Tester



### I. Introduction

TAG-8000 HV phase tester, used in power lines, phase tests and phase sequence tests for substations, with functions of phase testing, phase sequence testing, electrical inspection .with strong anti-interference, in line with (EMC) standards, adapt to a variety of electromagnetic interference occasions. High voltage phase signal will be taken out by the collector, discharge directly after treatment. Received by instrument and compare the phase, and identify the results, real-time display difference of phase angle and vector. This product use wireless transmission technology, safe, reliable, fast and accurate.

### II.Features

- 1 Measurement voltage: 10-500kV (according customer order).
- 2 Accuracy: self-calibration error $\leq\pm 3^\circ$
- 3 Sampling speed: 10 times/S.
- 4 Time setting: Easy for users to browse, view historical data.
- 5 Backlight time settings: on, off, set within 0-999 seconds.
- 6 Automatic shutdown settings: Never, within 0-999 minutes setting.
- 7 In-phase:  $\leq 20^\circ$  is in-phase, (phase threshold within 0-900, system default value is 20).
- 8 Out-phase:  $> 20^\circ$  is out-phase, (phase threshold within 0-900, system default value is 20).
- 9 Field calibration function: field calibration for measured lead to ensure the accuracy of the phase angle.
- 10 Handset detectors and X, Y detectors transmission distance:  $X \leq 150\text{m}$ ,  $Y \leq 150\text{m}$ .
- 11 Multi-mode design, applicability, safer, and more convenient.
- 12 Unique interactive interface, simple operation
- 13 FCC antenna design, signal stronger, easier to penetrate walls , doors or obstacles blocking
- 14 Double shielding, strong anti-interference, in full compliance with EMC standards.
- 15 Charts and data display, easier to read.
- 16 Qualitative measurement: sound and light signal display.
- 17 Quantitative measurements: real-time display of phase angle difference, error $\leq 5^\circ$
- 18 Phase sequence check: Shun phase sequence, reverse phase sequence (120, 240°)

### III. Parameters

Measurement voltage	10V-500kV (customized)
Power	Handset : #5 AA Alkaline batteries:2 (1.5V)
	X, Y detector : #7 AA Alkaline batteries: 3 (1.5V)
Wireless transmission distance	Stadia distance 150M
In-phase	Phase angle shift $\leq 20^\circ$ ( threshold 0-90, self setting)
Out-phase	Phase angle shift $> 20^\circ$ ( threshold 0-90, self setting)
Display Accuracy	Quantitative measurements $\leq 5^\circ$
Phase angle resolution	1°
Phase sequence measurement	Checked by : 120°clockwise /240°Counterclockwise
Display	LCD
Operating temperature	-35°C---+50°C
Storage temperature	-40°C---+55°C
Relative humidity	$\leq 95\%$ RH
Handset set	0.31 kg
X detector	0.16 kg
Y detector	0.16 kg

### IV. Accessories

