



### Product Function

Applied to electric power lines below 500KV, high voltage switchgear (metalclad withdraw switchgear, ring main unit, etc.) or substation phase detection, phase test, phase sequence judgment and electricity testing, etc.

### Product Features

1. Adopt with satellite timing service wireless transmission technology, phase detection distance up to 5000m, High accuracy of timing service, phase detection accurately and operation convenient.
2. Voice prompt: "X signal is normal, Y signal is normal, Same phase, Out phase"
3. Equip with 3.5inch LCD colorful screen which can display the phase, frequency, phase sequence, and phase detection results on the same screen. The dynamic vector diagram indication, clear and obvious.
4. The detector also has electricity checking function, can display the voltage level.
5. With data storage function, which can store 200 groups of data.

### Technical Specifications

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| <b>Power Supply</b>                       | Host: 3.7V, 2600mAh Rechargeable lithium battery; Detector: 3.7V, 1000mAh Rechargeable lithium battery   |
| <b>Phase Detection Method</b>             | 1.Contact mode phase detection: $\leq 110\text{kV}$ circuit line<br>2.Non-Contact mode phase detection: when display between $\geq 10\text{kV}$ and $\leq 110\text{kV}$ , it can make phase detecting on the insulation skin of the cable; when the line voltage $> 110\text{kV}$ , must use non-contact phase detection |
| <b>Phase Detection Voltage</b>            | AC 10V~500kV   |
| <b>Satellite Phase Detection Distance</b> | 5000m  |
| <b>Normal Phase Detection Distance</b>    | 200m   |
| <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>Electric Testing Indication</b>        | "Du-du-du" buzzing sound   |
| <b>Voltage Display</b>                    | Display voltage level  |
| <b>Transmitting Frequency</b>             | 433MHz   |
| <b>Phase Indication</b>                   | Vector diagram and digital display at the same time  |
| <b>Satellite Timing Service Accuracy</b>  | $< 20\text{nS}$  |
| <b>Search Satellite Indication</b>        | When searching satellite, dynamic display "----" symbol  |
| <b>Data Storage</b>                       | 200 groups(Power down or replace the battery will not lose data)   |
| <b>Automatic Shutdown</b>                 | 15 minutes without any operation after starting up, the detector will shutdown automatically   |
| <b>Rated Current</b>                      | Detector: 30mA max; Host: 150mA max  |
| <b>LCD Size</b>                           | 3.5 inch colorful screen; Display area: 71mmX53mm  |
| <b>Instrument Weight</b>                  | Total weight: about 7.8kg(include all accessories)   |
| <b>Instrument Dimension</b>               | Host :195mmX100mmX45mm;Detector: 130mmX65mmX45mm   |
| <b>Insulation Rod Length</b>              | Max Diameter: $\Phi 45\text{mm}$ ; Length: Contraction state 1000mm; Stretched state; 4300mm   |
| <b>Accessories</b>                        | Host :2PCS, Detector: 2PCS, Pin Probe: 2PCS, Hook Probe: 2PCS, Insulation Rod: 2PCS, 4in1 Charge Cable: 1PCS, Charger Adaptor: 1 PCS, Inspection Cable: 1PCS, Ring Main Unit Test Line: 2PCS, Wireless Antennae: 1SET; Tool Bag:   |

