



### Product Function

Applied to electricity testing, phase detection, phase test, phase sequence judgment etc. of the power distribution line and substation below 220kV.

### Product Features

1. Adopt with wireless transmission technology, phase detection distance up to 60m, easy to operate.
2. Voice prompt: "X signal is normal, Y signal is normal, Same phase, Out phase".
3. The 3.5-inch LCD colorful screen which can display the phase, frequency, phase sequence, and phase detecting results on the same screen, and the dynamic vector diagram display are clear and obvious.
4. Data storage function, can store 9999 groups of data. USB interface with data upload function, stored data can upload to the computer, save and print.

### Technical Specifications

<b>Power Supply</b>	Host: DC9V, alkaline dry battery LR6X 1.5VX6PCS; Detector: DC9V alkaline dry battery 6LR61, 9V
<b>Phase Detection Mode</b>	1.Contact mode phase detection: $\leq 35\text{kV}$ circuit line 2.Non-Contact mode phase detection: when the line voltage $> 35\text{kV}$ , must use non-contact phase detection, the pin probe should close to the wire to phase detection slowly
<b>Phase Detection Distance</b>	60m
<b>Phase Detection Voltage</b>	200V~220kV
<b>Phase Qualitative</b>	Same Phase: $-25^{\circ}\sim 25^{\circ}$ ; Out Phase: $95^{\circ}\sim 145^{\circ}$ and $215^{\circ}\sim 265^{\circ}$
<b>Phase Range</b>	$0.0^{\circ}\sim 360.0^{\circ}$ ; Accuracy $:\leq \pm 12^{\circ}$ ; Resolution: 0.1 $^{\circ}$
<b>Frequency Range</b>	45.0Hz~65.0Hz; Accuracy: $\leq \pm 2\text{Hz}$ ; Resolution: 0.1Hz
<b>Transmitting Frequency</b>	433MHz, 315MHz
<b>LCD Size</b>	3.5inch colorful screen; Display area:71mmX53mm
<b>Phase Indication</b>	Vector diagram and digital display
<b>Working Indication</b>	When phase detecting, the detector has audible and visual indication function, will be red double flashing light indication and "Du-du-du" buzzing sound
<b>Display Speed</b>	2 times/second
<b>Data Storage</b>	9999 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>Battery Voltage</b>	When battery voltage drop to $7.2\text{V}\pm 0.1\text{V}$ , low battery voltage symbol will display and remind to replace battery. The measurement data still are accurate at this time
<b>Rated Current</b>	Detector:30mA max; Host:150mA max
<b>Instrument Weight</b>	About: 6.85KG(include all accessories)
<b>Instrument Dimension</b>	Host: 195mmX100mmX45mm; Detector: 290mmX250mmX80mm
<b>Insulation Rod Length</b>	Max Diameter: $\varnothing 38\text{mm}$ ; Length: Contraction state 1050mm; Stretched state 4300mm
<b>Insulation Test</b>	The insulation rod stretched to both ends: AC 220 kV / rms Host, detector: AC3700V / rms (between exposed metal and plastic shell)
<b>Suitable Safety Standard</b>	GB13398 - 92, GB311.1 - 311.6 - 8, 3DL408 - 91, 《General technical requirements for portable nuclear power apparatus for use in 1kV ~ 35kV portable power plants DL/T971-2005》 IEC61481 - A2;2004; IEC 61243 - 1 ed.2:2003
<b>Accessories</b>	Host:1PCS; Detector: 2PCS; Pin probe: 2PCS; Hook probe: 2PCS; Insulation Rod: 2PCS; USB data cable: 1PCS; Inspection line:1PCS; Tool bag: 1PCS; LR6 battery: 6PCS; 6LR61 battery: 2PCS