



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

Power Supply	Host: DC9V, alkaline dry battery LR6X 1.5VX6PCS; Detector: DC9V alkaline dry battery 6LR61, 9V
Phase Detection Mode	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
Phase Detection Distance	60m
Phase Detection Voltage	200V~220kV
Phase Qualitative	Same Phase: $-25^\circ \sim 25^\circ$; Out Phase: $95^\circ \sim 145^\circ$ and $215^\circ \sim 265^\circ$
Phase Range	$0.0^\circ \sim 360.0^\circ$; Accuracy: $\leq \pm 12^\circ$; Resolution: 0.1°
Frequency Range	$45.0\text{Hz} \sim 65.0\text{Hz}$; Accuracy: $\leq \pm 2\text{Hz}$; Resolution: 0.1Hz
Transmitting Frequency	433MHz, 315MHz
LCD Size	3.5inch colorful screen; Display area: $71\text{mm} \times 53\text{mm}$
Phase Indication	Vector diagram and digital display
Working Indication	When phase detecting, the detector has audible and visual indication function, will be red double flashing light indication and "Du-du-du" buzzing sound
Display Speed	2 times/second
Data Storage	9999 groups (Power down or replace the battery will not lose data)
Automatic Shutdown	15 minutes without any operation after starting up, the detector will shutdown automatically
Battery Voltage	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
Rated Current	Detector: 30mA max; Host: 150mA max
Instrument Weight	About: 6.85KG (include all accessories)
Instrument Dimension	Host: $195\text{mm} \times 100\text{mm} \times 45\text{mm}$; Detector: $290\text{mm} \times 250\text{mm} \times 80\text{mm}$
Insulation Rod Length	Max Diameter: $\varnothing 38\text{mm}$; Length: Contraction state 1050mm ; Stretched state 4300mm
Insulation Test	The insulation rod stretched to both ends: AC 220 kV / rms Host, detector: AC 3700V / rms (between exposed metal and plastic shell)
Suitable Safety Standard	GB13398 - 92, GB311.1 - 311.6 - 8, 3DL408 - 91, 《General technical requirements for portable nuclear power apparatus for use in $1\text{kV} \sim 35\text{kV}$ portable power plants DL/T971-2005》 IEC61481 - A2;2004; IEC 61243 - 1 ed.2:2003
Accessories	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