



Product Function

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

Product Features

1. Adopt with satellite timing service wireless transmission technology, phase detection distance up to 500Km, 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 testing function, can display voltage level.
5. Data storage function, can store 200 groups of data.

Technical Specifications

Power Supply	Host: 3.7V, 2600mAh Rechargeable lithium battery; Detector: 3.7V, 600mAh Rechargeable lithium battery
Phase Detection Method	1.Contact mode phase detection: $\leq 110\text{kV}$ circuit line 2.Non-Contact mode phase detection: when disply 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
Phase Detection Voltage	AC 10V~500kV
Satellite Phase Detecting Distance	500km
Normal Phase Detecting Distance	200m
Voice Prompt	"X signal is normal, Y signal is normal, Same phase, Out phase".
Phase Qualitative	Same phase: $-20^{\circ} \sim 20^{\circ}$; Out phase: $100^{\circ} \sim 140^{\circ}$ and $220^{\circ} \sim 260^{\circ}$
Phase Range	$0^{\circ} \sim 360^{\circ}$; Accuracy: $\leq \pm 10^{\circ}$; Resolution: 1°
Frequency Range	45.0Hz~65.0Hz; Accuracy: $\leq \pm 2\text{Hz}$; Resolution: 0.1Hz
Electric Testing Indication	"Du-du-du"buzzing sound
Voltage display	Display voltage level
Transmitting Frequency	433MHz
Phase Indication	Vector diagram and digital display
Satellite Timing Service Accuracy	$< 20\text{nS}$
Search Satellite Indication	When searching satellite, dynamic display "----" symbol
Data Storage	200 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
Rated Current	Detector: 30mA max; Host: 150mA max
LCD Size	3.5 inch colorful screen; Display area: 71mmX53mm
Instrument Weight	About 15.63kg(Include all accessories)
Instrument Dimension	Host: 195mmX100mmX45mm; Detector: 130mmX65mmX45mm
Insulation Rod Length	Max diameter $\Phi 45\text{mm}$; Length: Contraction state 1000mm; Stretched state 4300mm
Accessories	Host: 2 PCS, Detector: 4 PCS, Pin Probe: 4 PCS, Hook Probe: 4 PCS, Insulation Rod: 4 PCS, 3in1 Charge Cable: 2 PCS, Charger Adaptor: 2 PCS, Inspection line: 2 PCS, Ring main unit test line: 4PCS, Wireless Antenna: 1SET; Cloth Bag: 2 PCS