



INTRODUCTION

The Metravi PSI-HV set is especially designed for high voltage line and switchgear (middle cabinet, ring network, cabinet, etc) nuclear phase. The instrument especially is useful for solving the traditional nuclear phase device voltage grade limit problem.

With fully-realised, automatic Phase Detection from 10V to 500kV, you do not need to purchase multiple phase detectors based on voltage grade.

The detector not only detects Phase Sequence, but also incorporates functions for testing Phase, Frequency, Phase Frequency and so on, along with Electricity Testing & Line Circuit Voltage display.

The 3.5 inch colour LCD screen displays Phase, Frequency, Phase Sequence and Phase Detecting readings all on the same screen, simultaneously. There is also a clear, dynamic vector diagram available. When line voltage exceeds 110kV, the non-contact method is to be used for phase detection.

Voice prompts, monitoring software with online real-time monitoring, historical data reading, viewing, saving, printing and query, vector graph indication and phase indication - all these functions make it an ideal instrument

FEATURES

1. Adopts wireless transmission technology, phase detecting distance 200m, phase detecting accurately, operation convenient.
2. Voice prompt: "X signal is normal, Y signal is normal, Z signal is normal, positive phase sequence, negative phase sequence"
3. Adopt 3.5 inch LCD color screen can display the phase, frequency, phase sequence, and phase detecting results on the same screen, clear and obvious.
4. The meter also has electricity testing function, can display the voltage grade.
5. With data storage function, can store 200 groups of data. USB interface with data upload function. Stored data can be uploaded to the computer, save and print.

Power Supply	Host: 3.7V, 2600mAh Rechargeable Battery. Detector: 3.7V, 1000mAh Rechargeable Battery
Phase Detection Method	1. Contact mode phase detecting: circuit line below 110kV 2. Non-contact mode phase detecting: when $\geq 10\text{kV}$ and $\leq 110\text{kV}$, it can make phase detecting on the insulation skin of the cable; when the line voltage $> 110\text{kV}$, it must adopt non-contact phase detecting.
Phase Detection Voltage	AC 10V~500kV
Phase Detection Distance	200m
Voice Prompt	"X signal is normal, Z signal is normal, Positive phase; Reversed phase"
Phase Sequence Qualitative	Postive phase: X->Y->Z->X(Phase different: $100^\circ \sim 140^\circ$); Reversed phase: X->Z->Y->X(Phase different: $100^\circ \sim 140^\circ$)
Phase Detection Qualitative	In 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
Electricity Test Indication	"du-du-du" buzzing sound
Voltage Display	Display the voltage grade
Transmitting Frequency	433MHz
Data Storage	200 groups (Power down or replace the battery will not lose data)
Automatic Shutdown	15 minutes after boot up, the meter shuts down automatically without any operation
Battery Voltage	The host battery shows 4 cells of power, when only 1 or 0 grip, please charge; When the indicator light of the detector flashes quickly, it indicates that the battery voltage is low, please charge it.
Rated Current	Detector: 30mA max; Host : 150mA max
LCD Size	3.5 inch colour screen; display area: 71mm×53mm
Instrument Weight	About 8kg (include accessories)
Instrument Dimension	Host 195mm×100mm×45mm; Detector:130mm×65mm×45mm
Insulation Rod Length	Max Diameter: $\Phi 45\text{mm}$; Length: Contraction state 1000mm; stretched state: 4300mm
Insulation Test	The insulation rod stretched to both ends AC 220kV/RMS; host, detector : AC3700V/RMS (between exposed metal and plastic shell)
Accessories	Meter, Detector 3 pcs, Probe 3pcs, Probe Hook 3 pcs, Insulation Rod 3pcs, USB Date Cable/ Charge Cable, Inspection Cable, Ring Cabinets Test Line 3pcs, Cloth Bag



*Technical Specifications & Appearance are subject to change without prior notice