



Product Function

Applied to phase judgment and phase sequence testing of the handcart type metalclad withdraw switchgear in 10KV-35KV power distribution system.

Product Feature

1. Adopt with non-contact phase detection technology to receive phase detecting data outside the cabinet to avoid the risk of direct contact between operators and high voltage in the cabinet and ensure the safety of personnel and equipment.
2. A, B, C three phases can complete the phase detection at the same time, detection accurate and operation convenient.
3. Equip with 3.5 inch 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. With data storage function, can store 200 groups of data. With USB interface and data upload function., stored data can upload to computer, save and print

Technical Specifications

Power Supply	Host: 3.7V, 2600mAh Rechargeable lithium battery; Detector: 3.7V, 1000mAh Rechargeable lithium battery
Phase Detection Mode	Non-contact type
Phase Detection Voltage	AC 10KV~35KV
Phase Detection Distance	20m
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: $\leq \pm 8^{\circ}$; Resolution: 1°
Frequency Range	45.0Hz~65.0Hz; Accuracy: $\leq \pm 2\text{Hz}$; Resolution: 0.1Hz
Transmitting Frequency	433MHz
Phase Indication	Vector diagram and digital display
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
Battery Voltage	The host battery shows 4 grip of power, when only 1 or 0 grip, please charge; When the indicator light of the detector flashes quickly, indicates that the battery voltage is low, please charge
Rated Current	Detector: 30mA max; Host: 150mA max
LCD Size	3.5 inch colorful screen; Display area: 71mmX53mm
Instrument Weight	About 2.57kg (with accessories)
Instrument Dimension	Host 195mmX100mmX45mm; Detector:120mmX54mmX30mm
Working Temperature & Humidity	$-10^{\circ}\text{C}\sim 40^{\circ}\text{C}$; below 80%RH
Store Temperature & Humidity	$-10^{\circ}\text{C}\sim 60^{\circ}\text{C}$; below 70%RH
Suitable Safety Standard	GB13398-92, GB311.1-311.6-8, 3DL408-91, and the national power industry standard requestment (general technical conditions DL/T 971-2017 for 1kV ~ 35kV portable nuclear phase devices for live working).
Insulation Test	Host, detector: AC3700V/rms(between the exposure metal and plastic shell)
Accessories	Host: 1PCS, Detector :6PCS, USB Data Cable/ 4in1 Charge Cable: 1PCS, Charger Adaptor: 2PCS, Cloth Case: 1PCS.