

HZ-8600E
Central cabinet wireless unclear
phase meter
Three-phase test



Dear user:

Thank you for choosing HZ-8600E Central cabinet wireless unclear phase meter.

We hope that this instrument can make your work easier and more enjoyable, so that you can get the feeling of office automation in the test and analysis work.

Before using the instrument, please read this manual, and operate and maintain the instrument according to the manual to prolong its service life. "Just a light press, the test will be completed automatically" is the operating characteristics of this instrument.

If you are satisfied with this instrument, please tell your colleagues; if you are not satisfied with this instrument, please call (0312) 6775656 to tell you to serve you at all times-Baoding Huazheng Electric Manufacturing Co., Ltd., our company will definitely make you satisfied !

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I.Product introduction

Central cabinet wireless nuclear phase meter (Hereinafter referred to as " Instrument") Used for nuclear phase of switch cabinet with five - proof cabinet function , By tying the collector to the busbar of the upper and lower knife switches of the central cabinet, the six-phase measurement can be realized. . At the same time , The instrument is also equipped with a universal transmitter , For two high-voltage lines grid-connected or ring network core phase . The instrument is suitable for 5V ~ 220kV AC transmission lines and secondary charged display nuclear phase , At the same time, it has the function of high voltage test.

The instrument uses wireless transmission technology , Safe and reliable operation , easy to use , Overcome many shortcomings of wired nuclear phase instrument , In addition, the instrument can be upgraded phase sequence detection and remote nuclear phase functions.

II.Safety matters

- 1、 During field testing , It should be operated according to the safety distance standard of the high voltage test of the power department .
- 2、 Standard configuration insulation rod 3 meters , The corresponding voltage level is $\leq 220\text{kV}$. If the measured line voltage is higher than 220kV , Please use insulating rods longer than 3 meters .
- 3、 During nuclear phase operation , Wear insulation gloves when installing the collector .

Notice: The transmitter uses a 3.7V rechargeable lithium battery , Please do not replace other batteries at will .

III.Technical parameters

- 1、 Phase difference accuracy: $\text{Error} \leq 5^\circ$.
- 2、 Frequency accuracy: $\pm 0.1\text{HZ}$
- 3、 Able to measure the voltage across the range of 5V ~ 220kV .
- 4、 The maximum transmission line-of-sight distance between the receiving host and the transmitter is about 100 meters , The maximum transmission line-of-sight

distance from the collector is about 60 meters。

5、 Human voice prompts measurement results and operation steps。

6 、 The 3.2-inch color screen simultaneously displays the phase difference, frequency, vector diagram and in-phase and out-of-phase results of each line , Display the battery level of itself and the collector。

7、 Automatic shutdown without operation for 1 hour。

8、 Collector, transmitter and receiving host all have built-in rechargeable lithium batteries, Configure 5V charger。

9、 Host built-in 18650 lithium battery,The battery capacity is 2500mAH。 Collector and transmitter built-in 10440 lithium battery, The battery capacity is 450mAH。

10、 Leakage current <10uA during high voltage measurement。

11、 Collector and transmitter working power consumption <0.1W, Receiving host working power consumption <0.3W。

12、 Working environment: -35℃--- +45℃ Humidity≤95%RH。

13、 Total Weight:About 8KG。

14、 Instrument package size: Length 89cm*Width 26cm*Height11cm。

IV.Factory configuration list

Item Name	Quantity
Aluminum alloy chassis	1
Receiving host	1
X launcher	2
Y transmitter	2
X Collector	3
Y Collector	3
Telescopic insulating rod(3m)	2
Pointed terminal	2
Charger(5V/1A)	2
Self-test test line	2
Ground wire	2

Instruction book	1
Delivery inspection report	1
Certificate	1

Notice:

1. Tip terminals are replacements for the hooks on the transmitter head.
2. There is a resistance inside the self-test test lead, People will not get electric shock when they touch the alligator clips during the mains self-check.
3. The ground wire is a straight wire, Only for low voltage (voltage <1kV) occasions, Do not use under high pressure.