



### Product Function

Testing PT secondary voltage drop & PT load, CT load, and PT detection, wireless synchronously measure power parameters such as current, voltage, phase, frequency, harmonic etc. at different sites in the substation.

### Product features

1. The instrument consists of 2PCS handheld terminals, 6PCS clamp current sensors, 2 sets voltage test lines, etc. The handheld terminal equip with 5-inch touch colorful screen, large-capacity lithium battery, and USB interface.
2. The single meter has the functions of three-phase phase voltmeter, PT load test, CT load test, three-phase unbalance test, harmonic analysis.
3. The two meters have the functions of wireless three-phase phase voltmeter and wireless PT phase detection.
4. Adopt with GPS satellite timing sevice and LORA wireless communication technology, accurately test PT voltage drop error and measurement error.
5. When four meters are used at the same time, one meter can be set as the master and the other three meters as slaves. It is especially suitable for multi-point synchronous testing, flexible and convenient to use.
6. The meter has Bluetooth communication, which can test or view test records on mobile phone.

### Range & Accuracy (Base condition)

Measurement Type	Measurement Range	Accuracy	Resolution
Voltage	2V~700V	$\pm 0.3\%Fs$	0.0001v
Current	0.001A~20A	$\pm (0.3\%Fs \pm 0.2\%rdg)$	0.0001A
Phase	0°~360°	$\pm 1^\circ$	0.1°
Frequency	45Hz~65Hz	$\pm 0.03Hz$	0.0001Hz
Harmonic	2~21 orders	-	-
Active Power	0.002W~14000W	$\pm 0.3\%Fs$	0.0001W
Reactive Power	0.002VAR~14000VAR	$\pm 0.3\%Fs$	0.0001VAR
Apparent Power	0.002VA~14000VA	$\pm 0.3\%Fs$	0.0001VA
Ratio Error	0.001~99.9	$\pm (X*1\%+Y*1\%)$	0.001%
Angle Error	0.001~999.9	$\pm (X*1\%+Y*1\%)$	0.001°
PT Secondary Admittance	1.0mS~100mS	$\pm 0.5\%Fs$	0.0001mS
CT Secondary Impedance	0.1Ω~50Ω	$\pm 0.5\%Fs$	0.0001Ω

### Technical Specification

Power Supply	DC7.4V, 5200mAH rechargeable lithium battery
Satellite Timing Accuracy	1us
Satellite Punctuality Accuracy	50us(Lost connection within 60minutes)
Wireless Communication Mode	Wireless LORA (230MHz)
Wireless Communication Distance	1km(in the open area)
Display Mode	5 inch touch colorful screen
Host Meter Size	210mmX129mmX68mm
Weight	Meter: 870g; Total weight: 5800g(include accessories and packing)
Clamp Current Sensor	Clamp jaw size $\varnothing 8mm(6pcs)$
Data Storage	Voltage drop test: 1000 groups; Load test: 1000 groups; Three-phase volatge and ampere tester: 1000 groups
Data Upload	USB interface, record data can be uploaded to computer, and can export with Excel format

<b>Automatic Shutdown</b>	Automatic shutdown after starting up 15 minutes without any operation. Before shutdown will reminder
<b>Power Consumption</b>	Working(backlight 50mA): 320mA
<b>Working Condition</b>	Temperature: -20℃~50℃;Relative humidity: 0~95%RH without condensation
<b>Accessories</b>	Terminal meter:2PCS; Clamp current sensor: 6PCS; Test lines: 8PCS; Charger adaptor: 2PCS; USB communication cable: 2PCS; Meter case:1PCS