

# ETCR<sup>®</sup> ETCR9550B Wireless High/Low Voltage CT Transformation Ratio Tester

## Product Function

Measurement of primary and secondary circuit current, transformation ratio, angle error, polarity and phase sequence of current transformers below 35kV.


## Product Features

1. Current clamp adopts high performance Permalloy core, magnetic shield and CT digital integrated technology, with strong anti-interference ability, high accuracy for testing.
2. The primary high voltage clamp adopts innovative automatic plug and pull structure makes it easy to clamp or withdraw the tested wire by pressing or pulling the insulation rod, saving time and convenient.
3. The primary high voltage clamp adopts wireless transmission mode, transmission distance 100M.
4. The primary flexible current clamp is especially suitable for small space and flat cable dense places, more convenient and fast for testing.
5. Data hold function, data storage function, data upload function



## Technical Specification

<b>Model</b>	ETCR9550B
<b>Primary HV Current Clamp Test Accuracy</b>	Range: 0.0A~800A; Resolution: 0.01A; Accuracy: 0.5%FS (23°C±3°C, below 70%RH, the detected conductor is in the center position of the clamp);
<b>Primary Flexible Current Clamp Test Accuracy</b>	Range: 0.0A~3000A; Resolution: 0.1A; Accuracy: ±1.0%FS
<b>Secondary Current Clamp Test Accuracy</b>	Range: 0.00mA~5A; Resolution: 0.01mA; Accuracy: ±0.5%FS
<b>Transformation Ratio Measurement Range</b>	1~9999
<b>Angle Error Test Accuracy</b>	Range: 0~360°; Resolution: 1°; Accuracy: ±3°
<b>Power Supply</b>	DC 6V alkaline batteries (1.5V AAA X 4)
<b>Host Dimension</b>	165mmX78mmX42mm
<b>Primary HV Current Clamp Size</b>	Jaw Size: Φ 48mm Shape Size: 255mmX84mmX39mm
<b>Primary Flexible Current Clamp Size</b>	Jaw Size: Φ 200mm Shape Size: 200mmX245mmX13mm
<b>Secondary LV Current Clamp Size</b>	Jaw Size: Φ 16mm Shape Size: 110mmX53mmX22mm
<b>Insulation Rod Dimension</b>	4300mm
<b>Insulation Rod Withstand Voltage</b>	110kV
<b>Weight</b>	Total Weight: 6.5kg (include insulation rod and battery)
<b>Sampling Rate</b>	2 times/second
<b>Primary Current Clamp Transmission Distance</b>	Wireless transmission distance 100m
<b>Current Clamp Connection Cable Length</b>	2m
<b>Data Storage</b>	3000 groups, Press the left arrow key to keep the data and store automatically (Power down or replace the battery will not lose data)
<b>Data Hold</b>	Press the left arrow key to hold data, "HOLD" symbol display, press "HOLD" key once again cancel the hold function
<b>Data Access</b>	Press the right arrow key enter into data access mode
<b>Data Upload</b>	With USB interface, communication cable and software, storage data can be uploaded to computer for reading, saving, printing and so on.
<b>Overflow Display</b>	Exceed measure range overflow function: "OL" symbol display

<b>No Signal Indication</b>	When the receiver has not received transmit signal, dynamic display "no- -"symbol.
<b>Automatic Shut Down</b>	15 minutes after boot up, the meter shuts down automatically without any operation
<b>Battery Voltage</b>	When battery voltage is lower than 5.2V±0.3V, low battery voltage symbol "  " will display and remind to replace battery.
<b>External Interference</b>	Should avoid extremely strong electromagnetic fields, avoid 315MHz, 433MHz same-frequency signal interference
<b>Working Temperature</b>	-15°C~50°C; Below 70%RH
<b>Accessories</b>	Host: 1PCS; Primary HV current clamp: 1PCS; Primary flexible current clamp: 1PCS; Secondary current clamp: 1PCS; USB special communication cable: 1PCS; Telescopic insulating rod: 1PCS; Tool bag: 1PCS; Alkaline battery LR03: 8PCS