

ETCR[®] 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

Model	ETCR9550B
Primary HV Current Clamp Test Accuracy	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);
Primary Flexible Current Clamp Test Accuracy	Range: 0.0A~3000A; Resolution: 0.1A; Accuracy: ±1.0%FS
Secondary Current Clamp Test Accuracy	Range: 0.00mA~5A; Resolution: 0.01mA; Accuracy: ±0.5%FS
Transformation Ratio Measurement Range	1~9999
Angle Error Test Accuracy	Range: 0~360°; Resolution: 1°; Accuracy: ±3°
Power Supply	DC 6V alkaline dry batteries (LR03 1.5V X 4PCS)
Host Dimension	165mmX78mmX42mm
Primary HV Current Clamp Size	Jaw Size: Φ 48mm Shape Size: 255mmX95mmX39mm
Primary Flexible Current Clamp Size	Jaw Size: Φ 200mm Shape Size: 200mmX245mmX13mm
Secondary LV Current Clamp Size	Jaw Size: Φ 16mm Shape Size: 110mmX53mmX22mm
Insulation Rod Dimension	4300mm
Insulation Rod Withstand Voltage	110kV
Weight	Total Weight: 6.5kg (include insulation rod and battery)
Sampling Rate	2 times/second
Primary Current Clamp Transmission Distance	Wireless transmission distance 100m
Current Clamp Connection Cable Length	2m
Data Storage	3000 groups, Press the left arrow key to keep the data and store automatically (Power down or replace the battery will not lose data)
Data Hold	Press the left arrow key to hold data, "HOLD" symbol display, press "HOLD" key once again cancel the hold function
Data Access	Press the right arrow key enter into data access mode
Data Upload	With USB interface, communication cable and software, storage data can be uploaded to computer for reading, saving, printing and so on.
Overflow Display	Exceed measure range overflow function: "OL" symbol display

No Signal Indication	When the receiver has not received transmit signal, dynamic display "no- -"symbol.
Automatic Shut Down	15 minutes after boot up, the meter shuts down automatically without any operation
Battery Voltage	When battery voltage is lower than 5.2V±0.3V, low battery voltage symbol "  will display and remind to replace battery.
External Interference	Should avoid extremely strong electromagnetic fields, avoid 315MHz, 433MHz same-frequency signal interference
Working Temperature	-15℃~50℃; Below 70%RH
Accessories	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