

# ETCR<sup>®</sup> EM9500B Wireless High Voltage CT Transformation Ratio Tester

## Product Function

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

## Product Features

1. Current clamp adopts high performance Permalloy core and magnetic shield technology, with strong anti-interference, high accuracy and test of stability.
2. Primary high voltage current 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. Primary high voltage current clamp adopts wireless transmission mode, transmission distance 100M
4. Data hold function, data storage function, data upload function



## Technical Specification

Model	EM9500B
Primary Current Test Accuracy	Range: 0.0A~800A; Resolution: 0.1; Accuracy: $\pm 0.5\%FS$ ( $23^{\circ}C \pm 3^{\circ}C$ , below 70%RH, the conductor should be in the center of the clamp)
Secondary Current Test Accuracy	Range: 0.00mA~5A; Resolution: 0.01mA; Accuracy: $\pm 0.5\%FS$
Transformation Ratio Measurement Range	1~9999
Power Supply	DC6V alkaline batteries LR03 (1.5V X4pcs)
Host Dimension	78mmX165mmX42mm
Primary HV Current Clamp Size	Jaw Size: $\phi 48mm$ Shape Size: 255mmX95mmX39mm
Secondary LV Current Clap Size	Jaw Size: $\phi 16mm$ Shape Size: 110mmX53mmX22mm
Insulation Rod Dimension	4300mm
Insulation Rod Withstand Voltage	110kV
Weight	6.14kg (include accessories)
Sampling Rate	2 times/second
Primary Current Clamp Transmission Distance	Wireless transmission distance 100m
Secondary 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 $5.2V \pm 0.3V$ , low battery voltage symbol " $\square + \square$ " will display and remind to replace battery.
External Interference	Should avoid extremely strong electromagnetic fields, avoid 315MHz, 433MHz same-frequency signal interference
Working Temperature	$-15^{\circ}C \sim 50^{\circ}C$ ; Below 70%RH
Accessories	Receiver: 1PCS; Primary current clamp: 1PCS; Secondary current clamp: 1PCS; USB special communication cable: 1PCS; Telescopic insulating rod: 1PCS; Tool bag: 1PCS; Alkaline batteries LR03: 8PCS