

ETCR9500C Three-Channel Wireless HV Transformation Ratio Tester





Product Function

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

Product Features

1. Simultaneous testing of three channel low voltage lines can directly confirm the corresponding phase relationship between the high voltage end and the low voltage end, Secondary lines do not require measurement many times by clamp.
2. Current clamp adopts high performance Permalloy core and magnetic shield technology, with strong anti-interference, high accuracy and test of stability.
3. The 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.
4. Data hold and data storage function. Data upload function

Technical Specification

Model	ETCR9500C-008 Three-Channel Wireless HV Transformation Ratio Tester 	ETCR9500C-030 Three-Channel Wireless HV Transformation Ratio Tester 
Applicable Place	Suitable for testing in places with dense flat cable of secondary line	Suitable for testing in places with large wire diameter of secondary lines.
Primary CT Size	Jaw Size: $\phi 48\text{mm}$ Shape Size: 76mm×255mm×31mm	Jaw Size: $\phi 48\text{mm}$ Shape Size: 76mm×255mm×31mm
Secondary CT Size	Jaw Size: $\phi 8\text{mm}$ Shape Size: 137mm×40mm×19.5mm	Jaw Size: 25mm×30mm Shape Size: 115mm×70mm×33mm
Primary Current Test Accuracy	Range:0.0A~800A; Resolution:0.1; Accuracy: $\pm 0.5\%FS$	Range:0.0A~800A; Resolution: 0.1; Accuracy: $\pm 0.5\%FS$
Secondary Current Test Accuracy(3 channel current display same screen)	Range: 0.00mA~5A; Resolution: 0.01mA; Accuracy: $\pm 0.5\%FS$	Range: 0.00mA~10A; Resolution: 0.01mA; Accuracy: $\pm 0.5\%FS$
Transformation Ratio Measurement Range	1~500	1~500
Power Supply	DC6V alkaline batteries (1.5V AAA × 4)	
Host Dimension	78mm×165mm×42mm	
Insulation Rod Dimension	$\phi 32\text{mm}$ 1m/pcs×5pcs	
Insulation Rod Withstand Voltage	110KV	
Sampling Rate	3times/s	
Weight	5kg (including insulation rod and battery)	
Transmission Distance	Primary current clamp wireless transmission distance 100m	
Connection Cable	Secondary current clamp connection cable 2m	
Data Storage	1500 groups, Press the left arrow key to keep the data and store automatically (Power down or replace the battery will not lose data)	


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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
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 4.8V, low battery voltage symbol "E +b" 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°C ~ 50°C; Below 70%Rh
Accessories	Receiver: 1PCS; Primary current clamp: 1PCS; Secondary current clamp: 3PCS; USB special communication cable: 1PCS; Software CD: 1PCS; Insulation rod (1m): 5PCS; Tool bag: 1PCS


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