

ETCR9500/9500B Wireless HV CT Ratio Tester

ETCR9500C Three Channel Wireless HV CT Ratio Tester

- The on-line measurement of, current, ratio error, polarity, phase sequence, and leaker of H/L voltage CT ratio and transformer's primary and secondary circuit.
- Wireless Transmission can traverse obstacle such as walls, direct transmission distance: 30m
- Circuit voltage $\leq 60\text{kV}$
- Primary circuit range: $0.0\text{mA} \sim 1000$;
secondary circuit range: $0.00\text{mA} \sim 10\text{A}$
- Resolution: primary: 0.1mA , secondary: 0.01mA
- Max CT ratio: $1:10000000(1.0\text{K}7)$
- Set the range of CT ratio: $0 \sim 9999/0.0\text{A} \sim 9.9\text{A}$
- Set the range of ratio error: $0.0\% \sim 9.9\%$



Brief Introduction

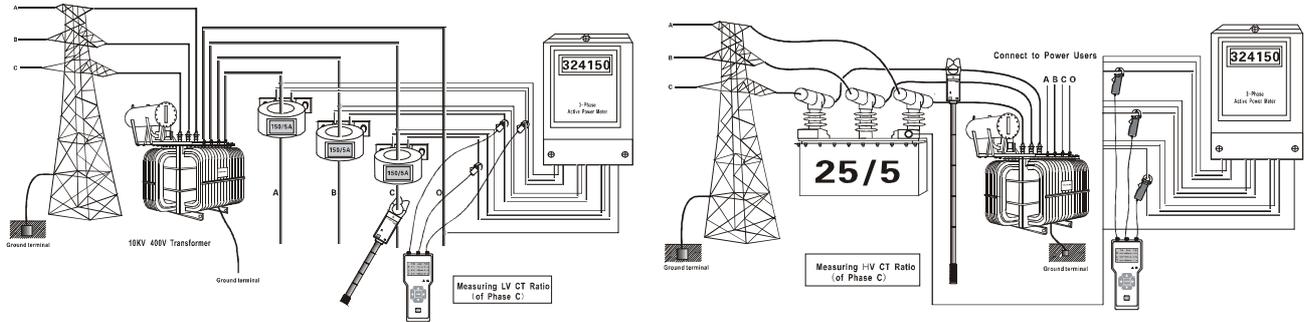
ETCR Wireless HV CT Ratio tester is specific designed for the on-line measurement and detection for primary and secondary current, CT ratio, ratio error, polarity, phase sequence, and leaker. It adopts the latest CT and mask digital integrated technology. It composed by special HV detector, LV current clamp, host meter, HV insulation rods, monitoring software, etc. Wireless transmission signal that is capable of penetrating wall obstacles with a direct-line transmission distance of about 30m.

The tester has a storage memory of 3000 sets. The monitoring and upload software have functions such as real-time monitoring and historical data search is available, as well as curve drawing, ratio, max, min, average indication, alarm value setting. There are also functions such as data documents saving and historical report printing.

Operated with insulation rods, the tester is specially applied in the h/l voltage current transformer and the voltage transformers in distribution system under 60KV.

Measure the current two sides of transformer, CT ratio. The HV detector is designed an automatic opening and closing functions, it is easy to clamp or disconnect the wire by pressing or pulling back insulating rods, with the advantages of safety and time-saving. It widely used in transformer substation, power plant, industrial and mining enterprises as well as the inspection station and electrician maintenance departments for electrical current detection and field electrical operations.

Field application



Technical specification

Model	ETCR9500	ETCR9500B	ETCR9500C
Product			
Function	On-line measurement for current, CT ratio, and leakage current of primary/secondary circuit of HV/LV current transformation;	On-line measurement for HV/LV current transformer; current of primary/secondary circuit; ratio error, phase difference, polarity, and leakage current.	Three channel H/L voltage current transformer, current, CT ratio, ratio error, polarity, phase, phase sequence, leakage current of primary/secondary circuit online measurement.
Power Supply	DC6V alkaline dry battery(LR3x8), keeps a continuous work for 30 hours		
Test Mode	Clamp CT		
Transmission	HV detector tested data transmitted through RF signal, with a transmission distance of 30m;		
Display Mode	LCD: 128dots×64dots;Blue backlight ; display domain:44mm×27mm;		
Tester Size	Receiver:75×170×30;HV detector:76×255×31;LV current Clamp: 63×160×23;(W×H×T--mm)		
Clamp Size	HV detector clamp: φ48mm; LV current clamp: φ30mm		
Primary Circuit	(HV Clamp)Range: 0.1mA~1000A; Resolution: 0.1mA; Accuracy: ±1%±5dgt		
Secondary Circuit	(LV Clamp)Range: 0.01mA~10A; Resolution: 0.01mA; Accuracy: ±1%±5dgt		
CT Ratio	Transformation ratio based on 5A for secondary circuit current; Transformation ratio based on 10kV-YY of 10kV/380V, calculate the ratio between the 10KV line and the secondary circuit; CT ratio between the primary and secondary circuit.		
Reference Range	Reference range is: 0.00A~99.99A, the default secondary circuit basic current is 5A(for C);		
Range of ratio error	0.0%~9.9%, the error between actual measurement CT ratio of current transformer and CT ratio has been set.(for C)		
CT Ratio	0000~9999/0.0A~9.9A (for C) ;		
Ratio Error	0.0%~ 9.9%, the principal machine can sound a alarm of “beep - beep” if the measured value is more than the preset error (for C)		
Phase polarity	“⊕” indicate in-phase positive polarity;“⊖” indicate in-phase negative polarity(for B/C)		
Indication of Phase Sequence	Cursor in clockwise rotation and “Positive Phase Sequence” Cursor in counterclockwise rotation and “Negative Phase Sequence” (for B/C)		
Data Storage	3000 sets	1500 sets	
Line Voltage	Test for lines bearing voltage below 60kV (insulating rods with five knots must be used)		
Data Hold	Press HOLD to hold the data, and “Hold “appears; press it again, holding will be canceled.		
Data access	Press HOLD + POWER can enter data access mode		
Auto Power-off	Automatic power-off 15 minutes after boot.		
Weight	2.8Kg (insulation rods and batteries)	3.1Kg(rods and batteries)	
Interference	No super strong electromagnetic field; no same frequency interference of 433 and 315 MHz		
Environment	Working: -25℃~45℃; below 80%Rh		
Rods size	φ32mm, 1m/piece		
Insulation Strength	HV detector: AC100kV/rms. Main tester and LV clamp: AC1000V/rms.		
Accessories	HV detector:1pc,receiver:1pc,clamp:1pc(3pcs for C); rod:1m×5pc;Box:1pc;disk:1pc;RS232 line:1pc; Battery:8pcs;		



จัดจำหน่ายโดย : บริษัท เฟเวอร์เทค จำกัด
 TEL : (02)8702884-5, (02)4289793-5
 Email: sales@evertech.co.th
 www.evertech.co.th

ETCR Electronic Technology Company

Address: F-3F, No.4 Pengshang Zhifu Road, Jiahe, Baiyun District, Guangzhou, Guangdong, China
 Tel : (86-20)62199556 62199554 Fax: (86-20)6110-0822
 E-mail: info@etcr.cc Website: www.etcr.cc Post Code: 510440