

T-203H

Automatic Transformer Turns Ratio Tester

T-203H automatic transformer turns ratio tester adopts three-phase power supply output voltage, the test speed Instrument to adopt advanced technology for A/D, wide range range; High speed ARM as the core digital processor, test quickly; English menu display, Elaborate and handheld design, makes the T-203H TTR tester superior and powerful with small size and light weight. The TTR tester uses a programmable signal source technology. It is especially suitable for special transformers such as Z-type transformers, rectifier transformers, Scott or anti-Scott transformers, etc.

The T-203H TTR tester adopts the new algorithm developed by our company to measure the ratio of three-phase transformer and ensure the measurement accuracy without adjusting the balance of the three-phase power supply. Therefore, the transformer turns ratio and wiring method can be measured in one minute.



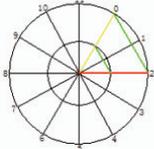
Features

1. Input single power, internal digital combination standard sine wave test source output
2. Phase angle measurement function: measure the phase angle between high voltage side and low voltage side. Measure the turns ratio and phase angle of "Non integral point" transformer
3. It can conduct single-phase measurement and three-phase winding automatic test. Three phase turns ratio value, phase angle value, error, tapping position, tapping value can be measured for once. It also can identify connecting group number automatically
4. Testing results can be displayed in the form of digit and hexagon vector diagram, which makes transformer connecting group can be made out obviously
5. With blind test function: There is no need to choose connecting method and group. When measuring Y/Δ , Δ/Y transformer, no external short-circuit is needed, connecting method can be shifted automatically according to the chosen testing contents
6. With tapping test function: TTR and TTR error in the position of each tapping switch can be gauged quickly. Just input rated TTR once, instead of inputting over and over again, TTR error in tapping position can be calculated
7. With functions of turns ratio measurement and voltage TTR measurement
8. With 5.6 inch color LCD, the effect of data & figure display is visualized and fine
9. With small size and light weight, it is easy to carry
10. With built-in high capacity chargeable lithium battery. Test can be conducted without any power supply on site, and once the battery is charged fully, it can make measurement for more than 500 times continuously

Parameters

Electrical parameters		
Power supply	7.2V Lithium-ion rechargeable battery	
Test power	AC 24V	
Data storage	500 group	
TTR measurement accuracy	Range1	0.8-3000: 0.1%±2words;
	Range2	3000-10000: 0.2%±2words;
Display precision	5 Bits, resolution ratio: 0.0001	
Phase angle accuracy	0.1°	
Voltage accuracy on HV side	0.05%	
Voltage accuracy on LV side	0.10%	
LCD	5.6" color LCD display	
Key	30 pcs	
Communication port	RS232 , USB	
Standard	IEC61010-1, IEC61326-1	
Mechanical parameters		
Dimension (L×W×H) (mm)	260x160x60	
Weight (kg)	3	
Environmental conditions		
Operating temperature	-10°C to 50°C	
Storage temperature	-20°C to 70°C	
Relative humidity	≤85%RH	

Voltage ratio tester		NO:141357	14-12-04
		Ver5.0000	10:08:13
Sum:007	No:001	2017-03-04 16:22:55	
Serial Num:123456		Number of tapping:03	
Equal tapping level: 5.0%		Rated turn ratio:23.753	
Result :	AB BC CA		
Tapping	23.753 23.753 23.753		
Ratio	23.6209 23.6526 23.8092		
Error	-0.554% -0.421% +0.239%		
Angle	-0.07° -0.07° -0.07°		
Group	0 0 0		
Press [F2]to USB, [F3] to Delete			

Voltage ratio tester		NO:141357	14-12-04
		Ver5.0000	10:08:13
	Uab Ubc Uca	Current tapping:	
High	0.000V 0.000V 0.000V	Current tapping:02	
Low	0.000V 0.000V 0.000V	vectorgraph:	
Phase	0.00° 0.00° 0.00°		
Tx ratio:	AB BC CA		
Tapping	25.000 25.000 25.000		
Ratio	25.000 25.000 25.000		
Error	00.00% 00.00% 00.00%		
Group:	AB BC CA		
Phase	0.00° 0.00° 0.00°		
Group	0 0 0		
Test count:57			
Test status:Test is over			
Press [Save] [Return]			