

HTCT-300 CT PT Tester



I. Introduction

This device uses high-performance DSP and ARM, advanced manufacturing process to ensure that the product is stable and reliable, full-featured, high degree of automation, high test efficiency, is the professional testing equipment for the CT/PT industry.

II. Features

- 1.Full-featured , meet all kinds of CT (e.g.: protection, measuring, TP) excitation characteristics (i.e. voltage characteristics), ratio, polarity , secondary winding resistance, secondary load, ratio error and phase angle error and other testing requirements , also for various types of PT electromagnetic unit excitation characteristics, ratio, polarity , secondary winding resistance , ratio error and phase angle error and other testing requirements.
- 2.Automatically gives the knee voltage / current, 10% (5%) error curve , accuracy limit factor (ALF), instrument security factor (FS), secondary time constant (Ts), remanence coefficient (Kr), saturated and unsaturated inductors and others CT, PT parameters.
- 3.Meet IEC60044-1, IEC60044-6 CT/PT standard.
- 4.Based on an advanced low-frequency testing theory, able to test knee point of the CT test up to 30KV.
- 5.Device can store 2000 groups of test data, non-volatile. After the test is completed with U disk to the PC, data analysis software, and generate reports in WORD file.
- 6.Testing is simple and convenient, one button complete CT resistance, excitation, ratio and polarity tests, except load test , CT various other tests are using the same wiring.
- 7.Easy to carry, instrument weight<9KG.

III. Parameters

Testing purposes	Protective CT
Output	0~180Vrms, 12Arms,36A (peak value)
Voltage measurement accuracy	±0.2%
CT ratio measurement	Range: 1~30000
	Accuracy: ±0.2%
PT ratio measurement	Range: 1~10000
	Accuracy: ±0.2%
Phase measurement	Resolution: 0.5min
	Accuracy: ±5min

Secondary winding resistance measurement	Range: 0~300Ω
	Accuracy: 2%±2mΩ
AC load measurement	Range: 0~300VA
	Accuracy: 2%±0.2VA
Input supply voltage	AC220V±10%, 50Hz
Work Environment	Temperature: -10°C ~ 50°C, humidity≤90%
Dimension & weight	Dimension: 340×300×150mm ³ , weight≤9Kg