

Foreword

Welcome to patronize

Thank you choose our company's products, so you will get the company a comprehensive technical support and service guarantee.

The company guarantees its products, at the date of shipment, no obvious material and process defects, and to ensure that products three years warranty. Such as product defects in the warranty period, our company to repair and change according to the detailed provisions of the warranty. If you would arrange maintenance and on-site guidance, please contact with the company or the company sales and maintenance of contact recently.

Please refer to the instruction manual carefully before using this product, in order to reduce unnecessary personal and equipment accident damage! Because of product configuration and function of the difference, part of the description may be different! Not, you can at any time to the company's technical service telephone consultation.

Instrument is introduced

Large current test equipment, the use of intelligent control menu operation interface, Simple to use, hardware and software of double protection, safe and reliable. Dedicated to transformer secondary side circuit inspection, change than polarity, etc. Experiments need to adjust the size of the output current, instrument can automatically change ratio and polarity test results quickly displayed, instrument with a stopwatch, coil temperature testing overheat alarm , 60 seconds countdown to remind function.

Using the large capacity ring transformer, output, large capacity, small volume, light weight, etc. Mainly used for power system of CT need than large current contact resistance testing, and so on.

Matters needing attention

- 1、Tester input power cable should be greater than 2.5mm^2 , Large current output connecting cable should be more than 100mm^2 , and try to shorten the output connection cable length, as long as it can satisfy the requirement of output current. The preferred using parallel output.
- 2、Should avoid long time continuous output. In the use of test equipment should be reliable grounding, strictly forbid a touch device bare metal parts.
- 3、Please slowly adjust the output current. Otherwise, will lead to can't correct polarity detection.
- 4、Instrument temperature alarm function. Instrument to detect temperature more than 55 ° . Overheating buzzer will send out alarm lights flashing, please reduce the output current, to stop the experiment, in order to avoid damage to internal components equipment.
- 5、Instrument with a stopwatch in 60 seconds remaining, the buzzer will alarm, remind users reduce the output current, close test power supply.

CATALOG

1、 functional characteristics	3
2、 Panel function is introduced	3
3、 Operating principle	4
4、 method of application	4
5、 Technical index	5
6、 Accessory	5
7、 After service	5



ONE、 Main feature

1.Intelligentize: Large current tester series adopts ARM CPU chip technology,Adopts LCD display, synchronous display output current and secondary current, the instrument with a stopwatch functions, convenient and practical.

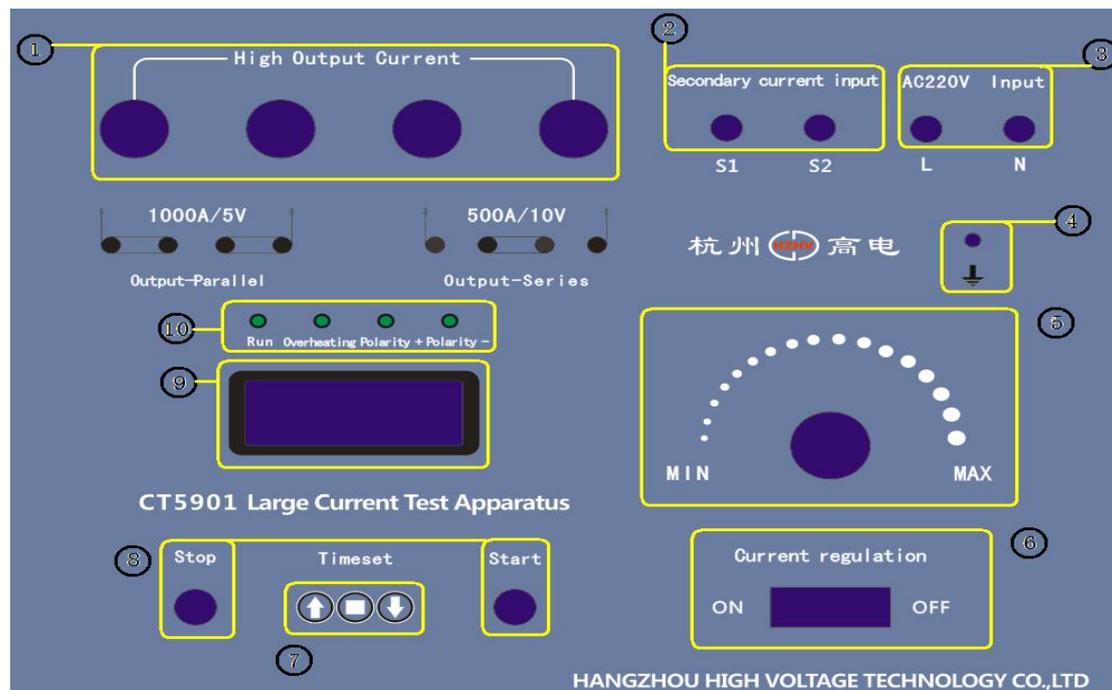
2.Conform to the state maintenance procedures: Device output power are all real voltage and current value, and standard sine wave of waveform, frequency of 50-60 hz; Can truly effective simulation of the true state of transformer, comply with the relevant maintenance regulations of the state

3.Output current is big: 220 v input, the maximum output current 0-1000 - a, very suitable for field repair.

4.Complete functions: Can detect CT variable polarity than CT secondary loop

5.Instrument span a wide range: ratio25000A / 5A 、 5000A / 1A。

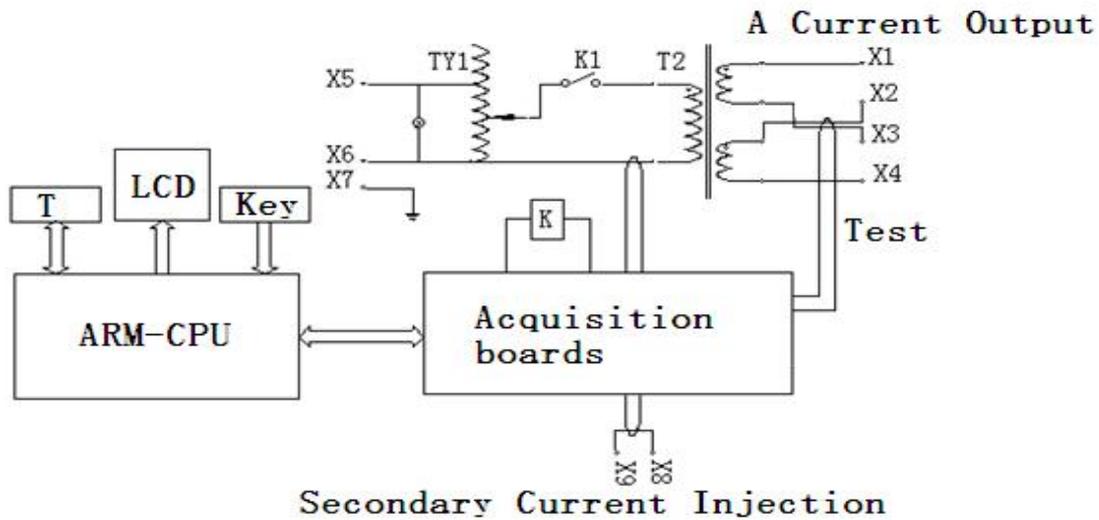
TWO、 Panel and function is introduced



1. High output current terminals
2. Secondary current measurement input port
3. AC IN
4. Earthing terminal, the terminal blocks shall be earthed at work
5. Current output adjusting knob
6. power switch
7. Keys (used to set the parameters)
8. Output control button
9. LCD

10. Run, polarity, temperature alarm indicator lights

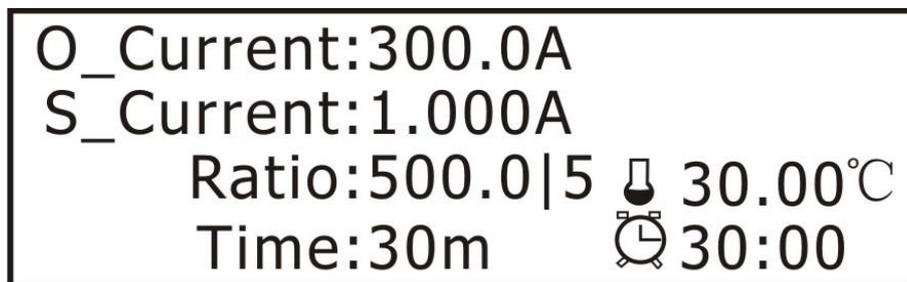
THREE、 Operating Principle



Circuit as shown:AC-220V (X5 ~ X6mains input), TY1 Voltage regulator to adjust the output current, K₁Control, T₂,converter, X₁~X₄Through current transformer output large current. Two sets of coil parallel output 1000 A current, No-load Output Voltage5V; Two sets of coil serial output 500 A current, No-load Output Voltage10V. The ARM CPU data display and control of key signal output

FOUR、 Method of application

Please use my company to provide dedicated power input lines、 High Current Test Cable、 The connection test line, The current adjustment knob to the minimum, Put through power supply again (220V) (If you want to use the power supply socket power supply panel, cable conductor cross section shall not be less than 4.0mm², otherwise affect the output power), Open the instrument power switch, into the testing interface below



Press“**■**”The secondary rated current input variable Settings , Press“**↑↓**”The rated secondary current 5 a or 1 a , TARE“**■**”SAVE & EXIT 。 Press“**↑↓**”Move the cursor to the time position,TARE“**■**”Sets the output current time, Press“**↑↓**”Sets the timer time, TARE“**■**”SAVE & EXIT。

Remark: Panel red stop button to cut off the output current can be in any condition

FIVE、 Technical Parameters

(1000A Output as a reference)

1. Input power: AC: 240V·25A,60Hz
2. Output current: AC: 1000A·5V 或 500A·10V
3. Output current waveform distortion: $\leq 5\%$
4. LCD digital display, Display a secondary current and variable ratio, leds indicate polarity
Precision: True virtual value $\pm 1\%$,
A current meter range: 0~1000A, Resolution ratio: 0.1A, ;
The secondary current meter range measurement: 0~5A, Resolution ratio: 0.001A
5. Dual protection (The hardware and software protection)
6. Operating environment: Temperature-10~40°C, Relative humidity<80%
7. Volume: 450×320×280mm³
8. Weight: 30Kg

SIX、 Accessory

instruction book	1 this
mainframe	1platform
power line	1base
Test Cable	1 cover

SEVEN、 After-sales service

Three years from the date of sale of this product, if appear quality problem free warranty, life-long maintenance

Common fault phenomenon	Maintenance treatment scheme
No output current	Check whether the test line is connected
Boot test pressure regulating switch trip	Check whether the CT ground is disconnected