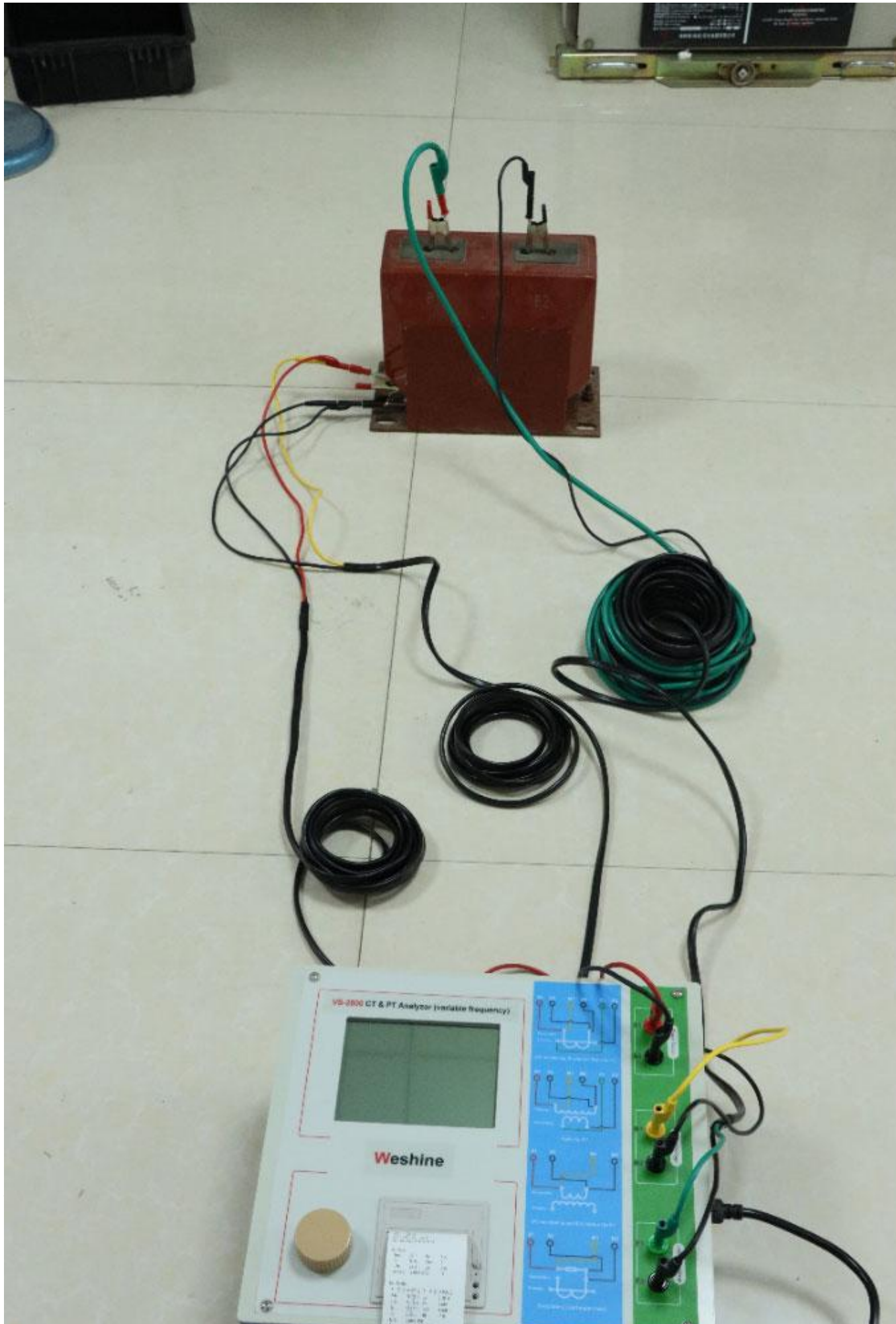




## CT Polarity Test

Weshine® the CT PT Analyzer invented for CT Polarity Test is a new product created after widely adopting the suggestions of customers and in-depth theoretical research. It is based on the widely acclaimed and applied automatic FA series transformer integrated tester produced by our company. Using high-performance DSP and arm, advanced

manufacturing technology ensures stable and reliable product performance, complete functions, high degree of automation, high efficiency, which is at the leading level in China. It is a professional testing equipment industry for instrument transformer testing.



## CT PT Analyzer for CT Polarity Test

Full-featured, not only satisfy the test requirements of various CTs (include TP class), such as the excitation characteristics (i.e., volt-ampere characteristics), ratio, polarity, secondary winding resistance, secondary burden, ratio error and phase displacement, but can also be used for the tests of various PTs, including excitation characteristics of the electromagnetic unit, ratio, polarity, secondary winding resistance, ratio error and phase displacement.

Automatically give CT, VT parameters, including knee point voltage / current, 10% error curve, the accuracy limit factor (ALF), instrument security factor (FS), the second time constant (Ts), remanence coefficient (Kr), saturated and unsaturated inductance etc.

In accordance with the transformer types and levels of automatic choose which standard test.

Based on advanced principle of low-frequency test method that can meet the CT test on knee voltage up to 30 kV.

The instrument can store 2000 groups of test data that won't be lost when power off. After test ended, the data can be copied to PC by USB disk for analysis and being transformed into WORD report.

Test is simple and convenient, one-click can complete tests of CT secondary resistance, excitation, ratio and polarity.

Easy to carry, because the weight is less than 9 kg.

## Weshine® CT PT Analyzer for CT Polarity Test Parameter (Specification)

Name		CT PT Analyzer for <b>CT Polarity Test</b>
Usage		Class P/TP CT & VT
Output		0~180Vrms, 12Arms, 18A (peak value)
CT Ratio	Range	1~30000
	accuracy	±0.05%
PT Ratio	Range	1~30000
	accuracy	±0.05%
Phase	Range	±5min
	accuracy	0.5min
DC resistance	Range	0~300Ω
	accuracy	2%±2mΩ
Burden	Range	0~300VA
	accuracy	2%±0.2VA
Power supply		AC220V±10%, 50Hz

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Environmental Conditions	Operating temperature :-10oC ~50oC, Humidity :≤90%
Weight and Dimensions	Dimensions:340 mm×300 mm×150mm, Weight<9kg

## Typical Application

### The CT test parameter description of Weshine® CT PT Analyzer for CT Polarity Test is:

parameters	description	PTPY	measure	PR	PX	TP	ST	TPX	TPZ
rated primary current	Used to calculate the ratio of actual current accurately	√	√	√	√	√	√	√	√
rated burden	Rated load of plate, power factor for 0.8 or 1	√	√	√	√	√	√	√	√
power factor		√	√	√	√	√	√	√	√
Rated accurate limit coefficient Kalf	The provisions of the plate, default 10, used to calculate the limit e.m.f. and their corresponding composite error	√							
Rated symmetric short-circuit current coefficient Kssc	The provisions of the plate, default 10, used to calculate the peak and their corresponding limits e.m.f transient error	√				√	√	√	
Primary time constant	default :100ms	√					√	√	
Second time constant	default :3000ms	√							√
Duty cycle	C-t1-O or C-t1-O-tfr-C-t2-O, default:C-t1-O cycle	√					√		
t1	Current time limit for the first time, default:100ms	√					√		
tal1	Time required to reach the specified accuracy during the first magnetization cycle, default:40ms								
tfr	Time required to reach the specified accuracy during the second magnetization cycle, default:500ms, Choose C-t1-O-tfr-C-t2-O, Cycle will be shown	√						√	
t2	Current time limit for the second time, default:100ms. Choose C-t1-O-tfr-C-t2-O, Cycle will be shown	√		√				√	
tal2	Second the flow by maintaining accurate limits of time, default:40ms choose C-t1-O-tfr-C-t2-O, cycle will be shown	√						√	
Rated instrument security coefficient FS	Nameplate regulation, default:10 Used for calculation of the limit of composite error and their corresponding electromotive force		√						
Rated calculating coefficients					√				

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Rated inflection point potential(Ek)					√			
le corresponding with Ek					√			
dimensioning factor						√		
Rated Ual	The rated equivalent quadratic limit voltage					√		
lal corresponding with Ual						√		

### The PT test parameter description of Weshine® CT PT Analyzer for CT Polarity Test is:

experiment item			Description	Connection diagram
resistance	excitation	ratio		
√			Measure CT's secondary winding resistance	Fig 2.10,must disconnection if measuring primary winding.
√	√		Measure CT's secondary winding resistance and excitation characteristic	Fig 2.10,must disconnection if measuring primary winding.
		√	Check it's ratio and polarity	Fig 2.11

### Selections

Weshine has 8 years experience specifically for deal with complete range of Electrical Equipment. At present, Weshine has invented various CT PT Analyzer for **CT Polarity Test** as shown as form:

ORDERING INFORMATION FOR CT PTANALYZER FOR CT Polarity Test					
Cat. No.	Max Test Voltage	Max Test Current	Ratio Test Accuracy	Dimensions	Weight
VS-2800	0 to 2500 Vrms	0 to 1000 A	±0.2%	425 x 290 x 310 mm	30 kg
VS-2800A	0 to 180 Vrms	0 to 150 A	±0.1%	340 x 300 x 150 mm	9 kg
VS-2800B	0 to 180 Vrms	0 to 150 A	±0.05%	340 x 300 x 150 mm	9 kg

\*Based on Supply Chain issues: Please contact your preferred Authorized Weshine Distributor for current pricing and lead times.

#### HOW TO CHOOSE CT PT ANALYZER FOR CT Polarity Test?

- **VS-2800:** True power frequency, simulates the working state of the transformer.
- **VS-2800A:** Upgraded on the basis of VS-2800, using frequency conversion technology, compact body, strong anti-interference ability, lower test voltage means safer and more reliable.
- **VS-2800B:** Unmatched turns ratio test accuracy reached 0.05%, small innovation, big wisdom.

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## Quality Certificates

We always believe that all the success of our company is directly related to the quality of the products we provide. CT PT Analyzer for **CT Polarity Test** meet the highest quality requirements specified in ISO9001, ISO14000:14001 guidelines and our strict quality control system.



## Shipment



For further information on Weshine's Service Solutions, contact our 24/7 online sales representative to get quotes from Weshine.

## Contact us

<b>FEEL FREE TO MAKE A PHONE CALL:400 996 1868</b>	<b>OR E-MAIL TO: <a href="mailto:info@weishengelectric.com">info@weishengelectric.com</a></b>
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