



## **Partial Discharge in Transformer**

Weshine® is New Brand and Fast rising in the Electric Area. Relying on High-Quality product and Efficient after-sales service to win the trust of the customers. Weshine is your trusted manufacturer and supplier in China. Our Partial Discharge in Transformer Equipment is mainly test the various relays and microcomputer protection,

the Partial Discharge in Transformer can simulate various complex transient, permanent and transformable faults to conduct a whole group of tests. The Partial Discharge in Transformer can test the current, voltage, inverse time, power direction, impedance, differential, low cycle, synchronous, frequency, DC, intermediate, time etc. The after-sales service of The Partial Discharge in Transformer is Excellent. Looking forward to have a good and long partnership with you.

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Model No.1

## **Partial Discharge in Transformer**

### **VSPD-2000**

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## Product Introduction:

Weshine **Partial Discharge in Transformer** is simple and easy to use, **Partial Discharge in Transformer** is very suitable for daily inspection of equipment points to grasp the operation status of electrical equipment in real time. **Partial Discharge in Transformer** can also detect faults which cannot be detected with thermal imaging cameras. Such as corona and early tracking and so on.

## Product Parameter:

System	WINCE6.0
CPU	Main frequency of 533MHz
Memory	RAM of 256MB DDR2, 1GB NandFlash
Screen	TFT true color touch screen of 4.3", resolution of 480 * 272
SD memory card	TF card of more than 8G
Camera	3 mega-pixel high definition camera
Accessories	GPS, temperature /humidity measurement device, high brightness laser pointer
Storage function	GPS coordinate, time/date, temperature/humidity
Frequency range	20—150kHz
Sensor	40kHz x 1Ea
Working condition	-25℃~ 70℃

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Relative humidity	0 - 95%
Charger specification	Input: 100-240V, 50/60Hz Output: voltage of 20V, current of 3.25A
Power supply	Battery power: lithium battery Working hours: about 8 hours Battery protection: LCD backlight will go dark, when there is no operation within 5 minutes. The instrument will automatically shutdown, when there is no operation within 20 minutes. When the battery power is less than 5%, system will beep hinting users to save data timely, then users need power it off and recharge.

# Instrument for measuring partial discharge

## PRODUCTION EXPERIENCE

Sales and service of power system automation equipment and testing instruments for modern high-tech enterprises specializing in R&D and production

**1 years** Warranty



Mode:VSPD-4

Name:Instrument for measuring partial discharge

### INTRODUCTION TO PANEL FUNCTIONS



Serial number	Designation	Explain
1	Touch screen	Display waveform and various test data
2	Power switch	Instrument main power switch
3	4 channel signal input indicator light	Locally put different sensor type signal input indication
4	Internal and external synchronous indicator light	Internal and external synchronization indication
5	USB interface	External USB devices can be connected

## PRODUCT DETAILS



1

**LCD**

Display waveform and various test data

2

**Accessories**

Use of linked instrument





3

**Calibrated pulse generator**

Send a certain amount of charge

## TECHNICAL INDEX

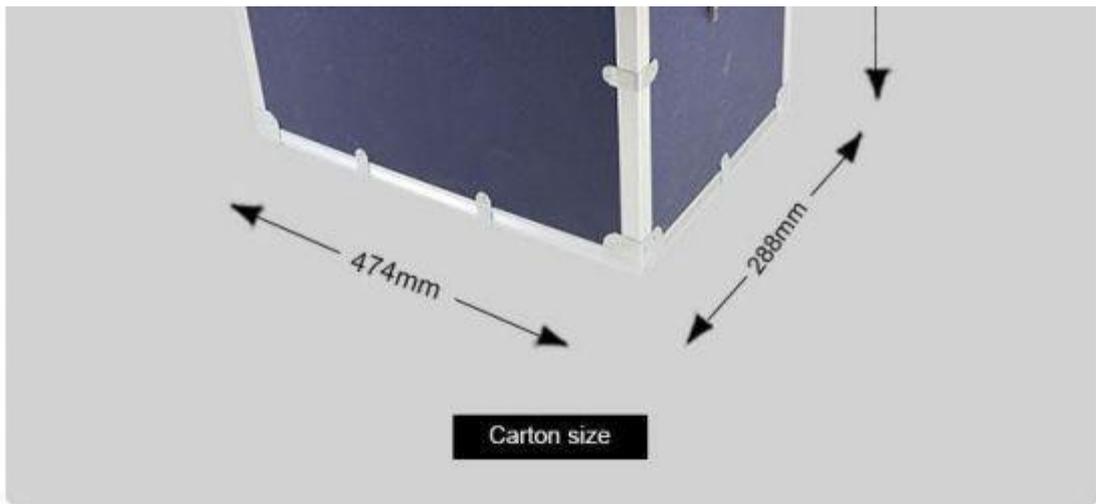
Technical characteristic	
Number of channels	Independent 4 channels
Sample rate	1M、5M、10M
Sampling precision	12bit
Range changing	-40dB, -20dB, 0dB, 20dB, 40dB, 60dB
Measuring frequency band	3dB bandwidth 10kHz~1MHz

Digital filtering	10kHz ~ 1MHz
The programmed filter is segmented	The low frequency: 10kHz, 20kHz, 40kHz, 80kHz High frequency: 100kHz, 200kHz, 300kHz, 400kHz
Nonlinear error of this range	10%
Measuring range	0.1pC~100,000pC
Sensitivity	0.1pC
Electrical capacity range of testable products	6pF~250μF
Test power supply frequency range	50~500Hz

<b>show</b>	
Display screen	12 "TFT true color touch LCD display
Resolution ratio	1024×768
<b>Port</b>	
USB	3 channels, can be connected to the mouse and keyboard, as well as external mobile storage devices
The power supply mode	AC 220 v; Frequency 50 hz. Power 300 w
Electrical signal interface	4-way BNC interface for signal input
Optical signal interface	4 channels, for signal input
Internet access	1 way
Grounding button	External grounding
<b>General instructions</b>	
CPU	Faster 1.60 GHz.
Internal storage	2.0GB
Hard disk	128GB solid-state drives
System	Windows Xp
Work environment	Ambient temperature: -10 ~ 45℃ Relative humidity: ≤95%
Size	474mm × 288mm × 370mm
Weight	15.8kg

## DIMENSION FIGURE





PRODUCT DISPLAY







## AFTER-SALES SERVICE

The instrument from the date of purchase within a year, is a product quality problem free warranty, lifetime maintenance and technical services. If the instrument condition is abnormal or there is a fault, please contact our company as soon as possible, so as to arrange the most convenient and effective solution for you.

## Product Feature:

**Partial Discharge in Transformer** is simple and easy to use, **Partial Discharge in Transformer** is very suitable for daily inspection of equipment points to grasp the operation status of electrical equipment in real time. **Partial Discharge in Transformer** can also detect faults which cannot be detected with thermal imaging cameras. When the local discharge occurs inside the equipment, it cannot be detected by infrared methods, but the **Partial Discharge in Transformer** can be used to detect the surface or joints surface of electrical equipment.

## Product details:

**Partial Discharge in Transformer** can accurately locate the place to inspect. The **Partial Discharge in Transformer** will receive ultrasonic signal (whose frequency ranges from 35 to 45kHz) in the air through the ultrasonic sensor and electrical circuits, and convert the received ultrasonic audio signal and oscillogram to audible sound and visual waveform file. The screen is color touchscreen, which can display information such as waveform, dB values, temperature, humidity and GPS.

Model No.2

## Partial Discharge in Transformer

### VS-9104



## Product Introduction:

Weshine **Partial Discharge in Transformer** is using Windows System operation platform, The **Partial Discharge in Transformer** shows ellipse, straight line, sine wave display, two-dimensional, three dimensional graphic analysis mode and spectrum window. The **Partial Discharge in Transformer** is Q-V-F Characteristic window, The **Partial Discharge in Transformer** can statically measure, observe and analyze the partial discharge pulse of one cycle test voltage in details.

## Product Parameter:

Number of Interfaces	Free-running 4 interfaces
Sampling rate	1M. 5M. 10M selected
Sampling Accuracy	12bit
Range changing	-40dB, -20dB, 0dB, 20dB, 40dB ,60dB, totally 6 types
Measurement frequency range	3db bandwidth 10kHz~1MHz
Digital filtering	10kHz~1MHz freely selected
CPU	Basic frequency 1.60GHz
Ram	2.0GB
Hard disk	128GB SSD
System	Windows Xp

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## Product Feature:

**Partial Discharge in Transformer** is the dedicated product to measure and analyze the insulation ability of electrical equipment. The **Partial Discharge in Transformer** system adopts modern electronic and computer integrated technology with the functions of signal amplification, filtration, data sampling, data processing, test report generation automatically. The **Partial Discharge in Transformer** can finish the measurement, location and analysis.

## Product details:

The **Partial Discharge in Transformer** is a new generation digital analyzer with high performance and new technique. The **Partial Discharge in Transformer** is a desktop with advantage of multi-interface. The **Partial Discharge in Transformer** has TFT LCD display, the data can be seen very clearly.

Model No.3

## Partial Discharge in Transformer

### VS-9209



## Product Introduction:

Weshine **Partial Discharge in Transformer** VS-9209 is equipped with transient ground wave and ultrasonic measurement methods. **Partial Discharge in Transformer** high frequency current measurement methods can be selected according to demand. The **Partial Discharge in Transformer** will produce a series of physical phenomena and chemical changes.

## Product Parameter:

Number of Interfaces	Free-running 4 interfaces
Way of synchronization	Internal synchronization, External synchronization, Light synchronization
Sampling Accuracy	12bit

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Measurement frequency range	3M-100MHz
Maximum pulses per cycle	720
Output interface	Standard SMA connected host

## Product Feature:

**Partial Discharge in Transformer** is multifunctional handheld instrument. The **Partial Discharge in Transformer** based on the detection methods of ground wave, ultrasonic, UHF and high-frequency current to test the partial discharge of the equipment. The **Partial Discharge in Transformer** provides the storage and readout functions of two-dimensional and three-dimensional maps. The **Partial Discharge in Transformer** can better evaluate the partial discharge of electrical equipment.

## Packing Details:



## Contact us

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