

Partial Discharge(PD) Tester AN8A10PD(F) Series



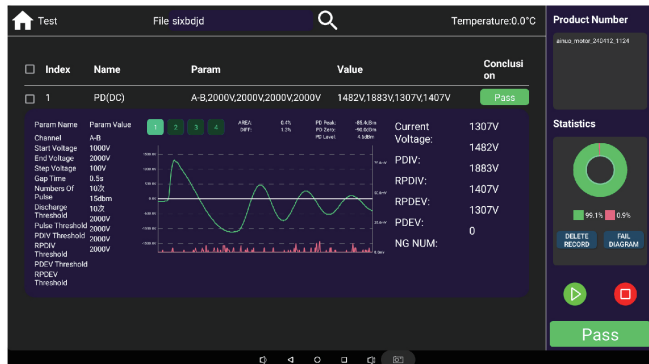
Product Overview

The tester utilizes advanced RF, high-frequency, and weak signal processing technologies to develop a unique high-frequency partial discharge detection solution. It employs high precision digital signal processing chips to accurately capture the partial discharge signals of the products under test. It is suitable for local discharge test of new energy main drive motor of industrial motor.

Test items

- PDIV, RPDIV, PDEV, and RPDEV
- PDIV:** It refers to the lowest voltage when the test voltage gradually increases from the lower voltage that does not produce partial discharge, and the partial discharge amount exceeds a certain specified value in the test.
- RPDIV:** It refers to the lowest voltage when the test voltage gradually increases from the lower voltage that does not produce partial discharge, and the partial discharge amount in the test repeatedly exceeds a specified value.
- PDEV:** It refers to the maximum voltage when the test voltage gradually decreases from the higher value exceeding the initial voltage of partial discharge, and the partial discharge amount in the test is less than a specified value.
- RPDEV:** It refers to the maximum voltage when the test voltage gradually decreases from a higher value exceeding the initial voltage of partial discharge, and the partial discharge amount is repeatedly less than a certain specified value in the test.

Software interface



Features

- Measurable** It provides the industry's exclusive PD-UHF measurement and testing solutions.
- Multi-function:** One device can support both interturn PD (DC-PD) and withstand voltage PD (AC-PD) at the same time.
- Multi-channel:** It supports multi-channel switching, and automatically completes all tests at one wiring to meet the test needs of multi-winding motors.
- High performance:** It adopts a high signal-to-noise ratio identification algorithm to achieve high sensitivity testing of partial discharge.
- High reliability:** It has undergone strict working condition tests and millions of tests in complex environments.
- High stability:** The test results are stable and not easily affected by the environmental conditions of the production site Multi-interface.
- The system supports USB, RS232, LAN and other interfaces, supports PLC communication, TCP/IP network protocol, etc., supports MES docking customization, database upload, etc.



Specifications

Product Name		Partial Discharge (PD) Tester	
Model		AN8A10PD(F) Series	Customized Parameter
Impulse PD (DC-PD)	Output Voltage	Range: (300-5000) VAC	Energy Boost
		Allowable Error: $\pm(2.5\% \times \text{Setting value} + 10V)$;	
	Step Voltage	10V/step	
	Pulse Count	1-32 times	
	Combo Interval	20ms	
	Step Interval	0.1s-99.0s, Allowable Error: $\pm(1\% \times \text{Setting Value} + 0.1s)$	
	Peak Value Range	(0-120) mV	
Sine PD (AC-PD)	Output Voltage	Range: (300-5000) VAC	Energy Boost
		Allowable Error: $\pm(1\% \times \text{Setting Value} + 2V)$	
	Step Voltage	10V/step	
	Duration	1-99s	
	Step Interval	0.1s-99.0s, Allowable Error: $\pm(1\% \times \text{Setting Value} + 0.1s)$	
	Peak Value Range	(0-120) mV	
	Determination Methods	Discharge Level Comparison	
Others	Microwave Sensor	Senses electromagnetic waves generated by discharge	Energy Boost
	Test Range	Distance from the object under test: 10-30cm	
	Background Noise	Provide background noise compensation	
	Ambient Conditions	Operating Temperature Range: 5-40℃, Working Humidity Range: 20-80%RH	
		Storage Temperature Range: -10-50℃, Storage Humidity Range: 5-90%RH	

The above specifications are subject to change without notice.