

RDPDD-104H Comprehensive Partial Discharge Tester

RDPDD-104H Comprehensive Partial Discharge Tester is a new generation digital analyzer with high performance and new technique. This product is a desktop with advantages of multi-interface, TFT LCD display, reliable system, low fault rate. There is an expert analysis system in the product to judge different discharge types correctly, it also can be used to monitor the high voltage electrical equipment such as high voltage transformers continuously online.



This Comprehensive Partial Discharge Tester is the dedicated product to measure and analyze the insulation ability of electrical equipment. This system adopts modern electronic and computer integrated technology with the functions of signal amplification (analog signal, electronic signal, digital signal), filtration, data sampling, data processing, figure display, test report generation automatically so that it may finish the measurement and analysis of the partial discharge. The Comprehensive Partial Discharge Tester applicable scope, test method, test circuit, technical performance parameters fully meet the international standard IEC 60270 Partial Discharge Measurements.




Product features

1. Multi signal channel, desktop, TFT LCD display, reliable system, low failure rate and strong anti-interference ability.
2. It integrates the functions of partial discharge measurement, diagnosis, and online monitoring.
3. Automatically generate the test report according to the test process and browse and print the report.
4. The redisplay sampling function can restore the saved data file into a waveform and display it on the screen.
5. 4-channel electrical signal and 4-channel optical signal input port can

simultaneously measure and analyze multiple partial discharge signals.



Product specifications and technical parameters

Picture	
Model	RDPDD-104H
Technical characteristics	
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
Program controlled filter subsection	Low frequency: 10kHz, 20kHz, 40kHz, 80kHz High frequency: 100kHz, 200kHz, 300kHz, 400kHz
Nonlinear error in the range	10%
Measurement range	0.1pC ~ 100,000pC
Sensibility	0.1pC
Capacitance range of the measured product	6pF ~ 250μF
Frequency range of test power	50 ~ 500Hz
Display	
Display screen	12" TFT true color touchable LCD screen
Resolution	1024×768
Interface	
USB	3 types, use of external mouse, keyboard or other USB devices.
Power supply	AC 230V; Frequency 50Hz; Power 300W
Electric signal interface	4 BNC interfaces, use of signal input.
Optical signal interface	4 types, use of signal input

Network interface	1 type
Landing button	External landing
General instruction	
CPU	Basic frequency 1.60GHz
Ram	2.0GB
Hard disk	128GB SSD
System	Windows Xp
Operating environment	Environment ambient: -10 ~ 45°C ; Humidity: ≤95%RH
Dimensions	Length×width×height: 474mm × 288mm × 370mm
Weight	15.8kg



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