



GDJY-100B Calibrator for Insulating Oil BDV Tester



General Information

This calibration device is a special device designed based on the measurement and calibration of the insulating oil dielectric strength tester, which can be used to detect the breakdown voltage, boost rate, waveform distortion rate and other parameters of the insulating oil dielectric strength tester, it can automatically evaluate the test results and generate a test report. The device uses the voltage at the moment of breakdown as the test basis to calculate the error of the tester. Intuitive, accurate and effective.

Features

- Adopt active breakdown method, construct breakdown conditions at designated points, and detect the breakdown voltage reading error of the tested product.
- Monitor the output voltage AC waveform of the tested product in real time, the value shows the effective value voltage, peak voltage, voltage frequency and waveform distortion rate, and the curve shows the effective value of the output voltage.
- 2-channel high-voltage signal sampling, simultaneous detection of the high-voltage signals of the two high-voltage arms of the tester.
- Automatic evaluation and calculation of test results.
- The test project information and test process of various tests can be set and saved;
- Automatically generate optional test reports in Word, Excel or Pdf format.

Specification

Measurement error of 10kV~100kV voltage divider	less than 0.2% RD + 0.05kV
Measurement error of boost rate	less than 0.5%
Time reading resolution	40.96us
The highest measurement voltage	100kVRMS (-50 kV to 50kV, without high-voltage switching unit)

The highest breakdown voltage	80kV
Capacitance value of voltage divider	10pF, maximum measurement voltage: 50kV, voltage divider ratio 5000: 1
The maximum input voltage of high-voltage switching unit is allowed	80kV
The computer of the auxiliary control software system must meet the following minimum configuration:	
<ul style="list-style-type: none"> a. CPU frequency> 1.5GHz b. System memory> 1GB c. The operating system of the computer is Windows 7 (32Bit) d. Computer's hard disk> 40G e. USB2.0 	