



GDJF-2007 Digital Partial Discharge Analyzer



General Information

GDJF-2007 Digital Partial Discharge Analyzer is widely used for detecting partial discharge of high voltage equipment such as power transformers, instrument transformer, HV circuit breaker, GIS, Zinc oxide surge arrester, power cable. It also can make type tests and monitor insulation operation.

It includes main unit, PD software, current transformer, input unit, calibration pulse generator, input adapter, antenna amplifier and connection cable etc..

Features

- 12 inch LCD display, with portable design, rugged and durable, easy to use.
- Strong anti-interference ability, accurate. Using digital filtering technology, field interference can be effectively eliminated, and partial discharge measurement can be realized in a strong interference environment.
- Multi-channel data acquisition. One screen can display 2 channels or 4 channels waveform.
- Powerful software function. With PD measurement, analysis, PD repeated discharge times N measurement, analysis and anti-fixed interference, anti-dynamic interference. Free choice of ellipse, straight line and sinusoidal display mode. Measure and Observe discharge pulse by window, and test voltage and current, partial discharge can be measured at the same time. All test data of 2 channels can be saved timely. Test waveform can be saved, re-displayed and analyzed. The gain range of each channel can be coarse adjusted and fine adjusted. Digital window-opening technology, to avoid the influence of interference on measurement. Phase window opening, single window and double window can be selected. Window can be opened freely within 360 degree.
- Accorded with IEC 60270 standard.

Specification

Capacitance range	6pF-250 μ F
Sensitivity	0.1 pc
Measurement channel	2pcs independent channels
Sampling accuracy	12Bit
Sampling rate	Max. 100MHz per channel

Measurement range	0.1pc-10000nc.
Dynamic range	>80db.
Measurement frequency band	10kHz-1MHz at 3db.
Frequency range of test power	50-400Hz.
Programmable filter	Low frequency: 10K, 20K, 40K, 80K; High frequency: 100K, 200K, 300K, 1000K.
Environmental temperature	-15°C--50°C
Relative humidity	≤95%(20°C)
Altitude	≤3000 m.
Impact ability	5000 V at each input port and power terminal (positive, negative and AC)
Power input	AC 220 V ±10%, 45-65 Hz, power <500 W.
Weight	About 15 kg.
Dimension	58*36*32 mm

Accessories

Item	Quantity
Main unit	1pcs
Calibration pulse generator	1pcs
Impedance unit	2pcs
Coaxial cable	2pcs
Earth cable	1pcs
Wireless mouse	1pcs
Power cord	1pcs
Connection cable	2pcs
Clamp	2pcs
Charger	1pcs
User's guide	1 copy
Factory test report	1 copy