

A Automatic Capacitance & Tan Delta Tester JXJS-10

Introduction

JXJS-10 automatic capacitance & tan delta tester has bridge, variable frequency converter, AC test transformer and standard capacitor inside. It can be used to measure the dielectric loss on site (power plants or substations) or in the lab (load capacitor, capacitive voltage divider, current transformer, grading capacitors, surge arresters, shunt reactors, bushings, etc). It has tunable frequency and anti-interference function.



Features

- 1) With big LCD to show the measurement data;
- 2) With mini-printer to print out the test data;
- 3) Automatically recognize the test object whether it is capacitive, inductive or resistive, easy operation;
- 4) Can connect an external standard capacitor, or connect an external oil cup to measure the dielectric loss of insulation oil, or connect measuring electrodes to measure the dielectric loss of solid insulation material.
- 5) Automatically recognize 50Hz/60Hz power source;
- 6) With Series or Parallel methods of measurement;
- 7) Automatically recognize external HV power source with frequency between 40-70Hz, can be used together with AC test transformer or AC resonant test system;
- 8) 100 test results storage facility, computer interface.

Technical Parameters

Capacitance Measurement Range	Internal power source: 3pF~60nF/10kV, 60pF~1μF/0.5kV
	External power source: 3pF~1.5μF/10kV, 60pF~30μF/0.5kV
Measuring Accuracy	Capacitance: ±(1%*reading+2pF)
	Dielectric loss: ±(1%*reading+0.04%)
Minimum Resolution	Capacitance: 0.001pF
	Dielectric loss: 0.001%
Test Current	5μA~5A
Internal HV Power Source	Output voltage: 0.5~10kV; Resolution: 1V; Accuracy: ±(1.5%*reading+10V)
	Maximum output current: 200mA
	Test frequency: 45, 50, 55, 60, 65Hz or 45/55Hz, 55/65Hz, 47.5/52.5Hz; Resolution: ±0.01Hz
External HV Power Source	Maximum test current: 10kV/5A, 50Hz power frequency or variable frequency 40-70Hz
CVT LV Output	Output voltage: 3~50kV; Output current: 3~30A
Test Time	About 15 s
Input Power Supply	180~270V AC, 50/60Hz
Environmental Temperature	-10~50°C
Relative Humidity	≤80% RH, no condensing
Deimension	430mm(L)*320mm(W)*330mm (H)
Net Weight	29kgs