

HTJS-H Capacitance & Tan-Delta Tester



I. Introduction

Dielectric Loss Measurement is very basic insulation testing method which can effectively found the deterioration damp deterioration of electrical equipment insulation, as well as local defects. In electrical manufacturing, electrical equipment installation, transfer and preventive tests are widely used. HTJS-H tan delta tester uses variable frequency power supply technology, SCM, and modern electronic technology for automatic frequency conversion, analog / digital conversion and data operations. With strong anti-jamming capability, fast test speed, high precision, easy to operate; switching power supply, 45Hz and 55Hz pure sine wave output, automatic apply voltage, providing a voltage up to 10 kV; automatically filter 50Hz interference, suit for substation and other strong electromagnetic interference field testing.

II.Features

- 1.High accuracy. Equipped with standard oil cups and dedicated test lines can realize oil dielectric loss measurement.
- 2.The tester adopts frequency technology to eliminate the scene 50Hz frequency interference, even under the condition of strong electromagnetic interference, can get reliable data.
- 3.Over-current protection, not damage instrument when short circuit or breakdown.
- 4.Equipped with standard capacitor and HV power, convenient for field test, lessen field wiring.
- 5.Adopts large-screen LCD display, easy to operate.

III. Parameters

Measuring range	Capacitance value	4~60000pF
	Dielectric Loss value	0~100%
Max error	Capacitance accuracy	$\pm(1.0\% \times \text{reading} \pm 1 \text{ pF})$
	Dielectric loss accuracy	$\pm(1.0\% \times \text{reading} \pm 0.04\%)$
Resolution	Capacitance resolution	Minimum resolution 0.001pF
	Dielectric loss resolution	Minimum resolution 0.001%
HV output	0.5~10kV,45Hzand 55Hz	
Current output	$\leq 200\text{mA}$	

LV output	Output voltage	3~50V
	Output current	3~30A
Power	2kVA	
Power supply	AC 220V \pm 10%, 50Hz or generator power	
Working environment	Temperature	0~40°C
	Humidity	\leq 90%RH, no condensation
Dimension	465×350×360mm ³	
Weight	27.6kg	

IV. Accessories

