

DYDX-8000 Automatic Capacitance and Tan Delta Test Set

Quality / Accuracy / Reliability



Introduction:

Model DYDX-8000 Capacitance and tan-delta tester is a kind of instrument with high precision fully automatic measuring the dielectric loss tangent and capacitance of various high voltage electrical equipments in the power plants and substations. The instrument applies to the measurement of $tg\delta$ and electrical capacity of high voltage electrical equipments in the workshops, laboratories and research institutes. It could measure non-grounded or grounded high voltage equipments adopting positive and negative connection method. Besides, it could measure the $tg\delta$ of capacitor voltage transformer and capacitance of main capacitor C1 and C2

Functions and Features:

- Adoption of frequency conversion technology could ensure the accurate measurement in the interference of strong electric field.
- Fully automatic controlled by microcomputer.
- Equipped with high voltage step-up transformer.
- The instrument takes security measures like zero-cross closing, lightning protection, etc. During the experiment, different levels of high voltage ranging from 0.5KV to 10kV are outputted.
- Under the circumstance of oil dielectric loss $\geq 0.01\%$, with oil cup, positive wiring can be used to measure the dielectric loss of oil.
- Anti-interference measures adopted.

Accessories:

1. Host
2. High-voltage HVx test cable (Red)
3. Cx-specific test cable (black)
4. Cn-specific test cable (black)
5. High-voltage output test cable (for CVT, dual-core)
6. Low-voltage output test cable (for CVT, dual-core)
7. 220 V power line
8. Ground wire
9. Instruction manual
10. Fuse, printing paper for spare
11. Factory inspection report

Specifications:

Condition of Use	15°C below ~ 50°C		RH < 80%
Power Source	AC 220V ±10% 50 ±1HZ		
High Voltage Output	0.5KV ~ 10KV		Each level 500V, total 20 levels
	Capacity		1500VA
Resolution	tgδ: 0.01%		Cx: 1pF
Precision	△tgδ: ± (Reading *1.5% +0.06%)		
	△C x : ± (Reading *1.5% +5PF)		
Measuring Range	tgδ	0.01% <tgδ <100%	
	Internal under high voltage	10 KV	3PF ≤ Cx ≤ 60000PF
		0.5 KV	60PF ≤ Cx ≤ 1μF
	EXternal under high voltage	10 KV	3PF ≤ Cx ≤ 1.5μF
0.5 KV		60PF ≤ Cx ≤ 30μF	
Measuring Method	working frequency	50HZ	
	different frequency	45HZ / 55HZ Automatic frequency conversion	
Harmonic adaptation	≤ 3%		
Dimension	460 (L) *345 (W) *345 (H) mm		
Weight	35 Kgs		

Product Specifications are subject to change without notice

Manufactured By:

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