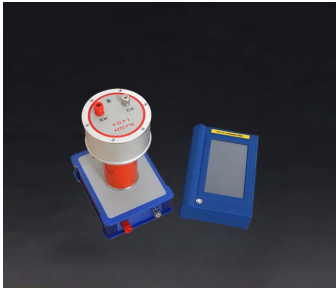


HF-CH-209

High Voltage Cable Tan Delta Tester



The High Voltage Cable Tan Delta Tester precisely measures dielectric loss factor to evaluate insulation performance of high voltage power cables. It effectively identifies insulation dampness, aging and hidden defects, delivering stable, reliable test results for routine power system maintenance and cable fault diagnosis.

Technical specifications

Parameter	Value
1	Operating Conditions -15°C ~ 40°C; RH < 80%
2	Standard Capacitor tanδ: <0.005% Cn: 99.46pF Withstand Voltage: 12kV
3	Resolution Dielectric loss tanδ: 0.001% Capacitance Cx: 0.001pF Frequency f: 0.001Hz
4	Accuracy Dielectric loss Δtgδ: ±(Reading×1.0% + 0.040%) Capacitance ΔCx: ±(Reading×1.0% + 1.00pF) Frequency Δf: ±(Reading×1.0% + 0.10Hz)
5	Measuring Range Dielectric loss tanδ: Unlimited Current I: 20uA <= I <= 15A High Voltage HV: 1kV <= HV <= 12kV Frequency f: 30Hz <= f <= 300Hz
6	Lithium Battery for Handheld Terminal 7800mAh lithium battery
7	Charger DC 12.6V, 3000mA
8	Display Mode 7-inch color LCD screen, 800*480 resolution
9	Operation Mode Industrial-grade capacitive touch screen
10	Handheld Terminal Dimensions (mm) 270(L) × 160(W) × 65(H)
11	Main Test Unit Dimensions (mm) 220(L) × 180(W) × 350(H)
12	Storage Capacity 200 groups of test data; USB flash drive data export supported
13	Weight (Handheld Terminal) 1.5 kg
14	Weight (Main Test Unit) 5.5 kg

Standard scope of supply

No.	Item	Qty	Notes
1	Main Test Unit	1 Set	Built-in lithium battery
2	Wireless Handheld Terminal	1 Pc	7-inch capacitive touch screen, 2.4G wireless communication
3	Standard Calibration Capacitor	1 Pc	12kV withstand voltage, for calibration
4	High Voltage Test Cables & Grounding Wires	1 Set	For positive & reverse connection testing
5	Special Power Charger	2 Pc	DC 12.6V 3000mA, for host and handheld terminal
6	USB Data Export Cable	1 Pc	For test data export
7	User Manual (English & Chinese)	1 Book	Complete operation & parameter introduction
8	Factory Calibration Certificate	1 Copy	Industry standard test report
9	Portable Protective Carrying Case	1 Pc	Shockproof and dustproof for full set storage

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.