

HF-PC-209

Capacitive Equipment Tester



Capacitive Equipment Tester is a portable on-line insulation monitor for HV capacitive apparatus. It measures $\tan\delta$, capacitance and end-screen current, supports dual test modes, anti-harmonic interference, with real-time trend display for on-site insulation condition assessment.

Key features

- Fitted with a 7-inch liquid-crystal capacitive touch screen, it displays real-time monitored data and presents voltage, current, dielectric loss and capacitance-ratio in trend graphs.
- Besides real-time on-site detection, it supports long-term continuous on-line monitoring and automatic data logging.
- Portable lightweight design with simple operation. Built-in high-capacity lithium-ion battery adapts to various field working conditions.
- Waveform Display: Real-time waveform visualization of measured signals for intuitive analysis.
- Harmonic Rejection: Waveform distortion of input signals will not degrade dielectric-loss measurement accuracy.

Technical specifications

Parameter	Value
Display	7-inch high-brightness TFT-LCD, optimized for outdoor application
Power Supply	Built-in high-capacity lithium-ion battery
Ambient Temperature	-20 °C ~ 60 °C
Cable Accessories	2 × 25 m measuring cables
Dimensions	345 mm × 295 mm × 175 mm
Instrument Weight	4 kg
Current MeasurementCx / Cn	100 uA ~ 800 mA ±(0.5% reading + 1 digit)
Voltage Measurement (Vn)	3 V ~ 300 V ±(0.5% reading + 1 digit)
Dielectric Loss (Tanδ)	-20% ~ 20% ±0.05%
Capacitance Ratio (Cx:Cn)	1:1000 ~ 1000:1 ±(0.5% reading + 1 digit)
Capacitance (Cx)	10 pF ~ 0.5 uF ±(0.5% reading + 2 digits)

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.