

HF-WC-622

Handheld Partial Discharge Tester for Switchgear



The Partial Discharge Tester for Switchgear is a portable live-line detection device. It precisely captures internal partial discharge signals of high-voltage switch cabinets, judges insulation aging and hidden faults, pinpoints abnormal positions rapidly, and delivers early alarms to effectively avoid insulation breakdown and power system accidents during daily operation.

Key features

- Portable compact design, ultra-lightweight, net weight only 0.3kg for easy handheld carrying.
- Built-in red & yellow indicator lights for graded partial discharge alarm reminder.
- Supplied with dedicated headphones, enabling technicians to listen and locate partial discharge activities on site.
- Two optional measurement modes: single partial discharge testing & continuous cyclic measurement.
- Extremely user-friendly operation; operators can master all functions within 10 minutes.

Technical specifications

Parameter	Value
Detection Frequency	0.5 ~ 100 MHz
Sensitivity	6 mV/1 mA
Dynamic Range	60 dB
Detection Frequency	20 ~ 200 kHz
Measurement Range	0 ~ 30 mV
Sensitivity	≤5 pC
Resonant Frequency	40 kHz
Dynamic Range	0 ~ 70 dBuV
Detection Frequency	300 ~ 1500 MHz
Sensitivity	≤5 pC (Laboratory environment)
Signal Acquisition Principle	Capacitive Coupling
Frequency Range	3 ~ 100 MHz
Measurement Range	0 ~ 60 dBmV
Sensitivity	1 dBmV

Standard scope of supply

No.	Item	Qty	Notes
1 Set	PD Tester Main Unit	1 Set	
1 Pc	TEV Sensor	1 Pc	
1 Pc	Contact Ultrasonic Sensor	1 Pc	
1 Pc	Non-contact Ultrasonic Sensor	1 Pc	
1 Pc	UHF Sensor	1 Pc	
1 Pc	HFCT Sensor	1 Pc	
1 Pc	Detection Headphone	1 Pc	
1 Pc	USB Data Cable	1 Pc	

No.	Item	Qty	Notes
1 Pc	AC Charger Adapter	1 Pc	
1 Pc	English Operation Manual	1 Pc	
1 Pc	Factory Calibration Certificate	1 Pc	
1 Pc	Portable Protective Case	1 Pc	
1 Pc	Warranty Card	1 Pc	

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.