

HF-GT-209

Clamp Ground Resistance Tester



This portable Clamp Ground Resistance Tester requires no auxiliary grounding rods. It can rapidly and safely detect grounding resistance values, extensively applied in substations, construction projects and power grid routine grounding tests.

Technical specifications

Parameter	Value
Functions	Ground resistance test, loop resistance test, AC current test, AC voltage test
Temperature & Humidity for Accuracy Guarantee	23°C±5°C, relative humidity ≤75%RH
Power Supply	3.7V DC Lithium Battery
Resistance Resolution	0.01ohm
Current Resolution	0.001mA
Voltage Resolution	0.01V
Clamp Jaw Size	68 mm
Display Mode	2.4-inch Color LCD Screen
LCD Dimensions	46mm × 29mm
Meter Overall Dimensions (L×W×H)	273mm × 106mm × 53mm
Measuring Rate	1 reading per second
USB Port	Equipped with USB interface; stored data can be uploaded to PC for saving & printing
Communication Cable	1 USB communication cable
Data Storage	Max. 100 groups of data; "FULL" icon indicates full storage
Overrange Indication	"OL" symbol displayed upon overrange overflow
Alarm Function	Audible alarm triggered when measured value exceeds preset threshold
Battery Voltage	Real-time battery level display; low battery reminder for timely charging
Auto Power Off	Automatically powers off 15 minutes after startup
Max Power Consumption	750mA
Weight	975g (including battery)
Operating Temperature & Humidity	-10°C ~ 40°C, relative humidity ≤80%RH
Storage Temperature & Humidity	-20°C ~ 60°C, relative humidity ≤70%RH
Insulation Resistance	≥20Mohm (500V between circuit and housing)
Withstand Voltage	AC 3700V/rms (between circuit and housing)
External Magnetic Field Immunity	< 40A/m
External Electric Field Immunity	< 1V/m
Compliant Safety Standards	IEC61010-1 (CAT III 300V, CAT IV 150V, Pollution Degree 2); IEC61010-031; IEC61557-1 (Ground Resistance)

Standard scope of supply

No.	Item	Qty	Notes
1	Main Tester Unit	1 Set	
2	Test Leads	4 Piece	
3	Auxiliary Short Test Leads	2 Piece	
4	USB Communication Cable	1 Piece	
5	Charger	1 Piece	
6	Monitoring Software CD	1 Copy	
7	User Manual & Warranty Certificate	1 Set	
8	Carrying Case	1 Piece	

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.