

HF-GT-206**Smart SPD Tester**

This portable rechargeable Smart SPD Tester precisely measures varistor voltage, leakage current, GDT breakdown voltage and insulation resistance. It judges SPD aging and failure, stores test data, widely applied for lightning protection inspection in power, communication and construction industries.

Key features

- Acceptance testing of newly completed building lightning protection projects;
- Starting action voltage: 0 ~ 3000V
- Leakage current: 0.1uA ~ 199.9uA
- Insulation resistance: 0 ~ 1000Mohm

Technical specifications

Parameter	Value
Functions	Varistor (MOV) initial voltage & leakage current test; Gas Discharge Tube (GDT) breakdown voltage test; Insulation resistance test
Reference Test Conditions	23°C±5°C, relative humidity ≤75%
Measured Voltage Range	0 ~ 3000 V, Accuracy: ±2%rdg ±3dgt
Measured Leakage Current Range	0.1uA ~ 199.9uA, Accuracy: ±3%rdg ±5dgt
DC Voltage Resolution	1 V
Leakage Current Resolution	0.1 uA
Insulation Resistance Range	0 ~ 1000 Mohm
Test Stabilization Time	≤ 3 seconds
Breakdown Voltage Rising Rate	(100±8) V/s
Power Supply	7.2V large-capacity rechargeable battery
Backlight	Available, suitable for dim environments
USB Data Transmission	Supported
Display	5-inch color TFT LCD screen
LCD Display Size	108mm × 65mm
Overall Dimensions	240mm(L) × 188mm(W) × 85mm(H)
Test Leads	1.5m red lead, 1.5m black lead
Data Storage	500 groups of measurement data
Data Query	Supported, marked with "MR" symbol
Overrange Indication	"OL" symbol for over-limit prompt
Judgment Function	Alerts when readings exceed preset threshold range
Power Consumption	Standby: Max 150mA Measuring state: Max 880mA
Weight	1230g (including built-in battery)
Low Battery Reminder	Real-time battery voltage display, low power icon prompt
Auto Power-off	Automatically shut down after 15 minutes of idle operation
Internal Insulation Resistance	≥50Mohm (tested at 1000V)

Parameter	Value
Dielectric Withstand Voltage	AC 3kV / 50Hz for 1 minute
Operating Temperature & Humidity	-10°C ~ +50°C, RH<85%
Storage Temperature & Humidity	-15°C ~ +55°C, RH<90%
Safety Compliance Standards	IEC61010-1, IEC61010-2-31, IEC61557-1-5, IEC60529(IP54), Pollution Degree 2, CAT III 300V

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.