

HF-HG-305

High Frequency High Voltage Generator



High Frequency High Voltage Generator provides adjustable high-frequency high voltage output. It is commonly used for partial discharge detection, electrostatic experiments and insulation performance evaluation of electrical components.

Key features

- Selects high-quality components from the US, Japan and internationally standardized series modules manufactured in Germany, integrating practicality and elegant appearance.
- Voltage Measurement Accuracy: 1.0% (full scale) ± 2 digits
- Low-voltage side auto-ranging; total current accuracy: 1.0% (full scale) ± 2 digits
- Optional external infrared transmission microammeter and handheld receiver. Read leakage current at high voltage terminal remotely when direct observation is inconvenient.
- Operating Frequency: 40kHz, closed-loop negative feedback

Technical specifications

Parameter	Value
Power Supply	AC220V (-20% ~ +10%), 50Hz
Working Mode	Intermittent operation, rated load duration 60 minutes
Voltage Measurement Accuracy	1.0% (full scale) ± 2 digits
Low-voltage side auto-ranging; total current accuracy	1.0% (full scale) ± 2 digits
Operating Frequency	40kHz, closed-loop negative feedback
Ripple Coefficient	$\leq 0.5\%$
0.75 Function	Press the 0.75UDC button during arrester tests; voltage automatically locks at 75%, accuracy $\leq 1.0\%$
Overvoltage Setting Error	$\leq 1.0\%$, software setting
Voltage Adjustment Resolution	0.1%
Voltage Regulation Performance	Output voltage fluctuation $\leq 1.0\%$ when mains voltage varies within $220V \pm 10\%$
Grounding Protection	Boost prohibited and alarm activated without proper grounding to avoid personal injury. Under special field conditions without reliable ground, long press the 75% function button to temporarily disable interlock for testing.

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.