

HF-HG-302

Impulse Voltage Generator



Impulse Voltage Generator produces standard lightning impulse voltage. It is applied for impulse withstand voltage tests to verify insulation performance of transformers, arresters and other high-voltage power equipment.

Key features

- Auto and program modes adopt automatic constant voltage system for precise output control, free from the influence of interval time.
- Program control equipped with RS485 interface and protocol. It can build automatic test systems; impulse voltage and parameters can be controlled via computer or network (program trigger).
- Test reports can be printed by computer, showing peak voltage, impulse times, interval time and other data.
- Automatic pass/fail judgment based on impulse voltage magnitude and attenuation degree during testing.
- Impulse voltage divider interface for oscilloscope to track waveform and monitor output voltage.

Technical specifications

Parameter	Value
Peak Impulse Output Voltage	20kV Manual mode: 1kV-20kV Auto & Program-controlled mode: 1kV-20kV (calibratable) Accuracy: ±3% Voltage step: 1V
Impulse Voltage Waveform	Front time: 1.2us±30% Half-value time: 50us±20%
Breakdown Judgment	Leakage current: adjustable 100mA-5000mA Voltage attenuation: adjustable 0-99%
Interval Time	1-9999 s
Impulse Times	1-9999 shots / unlimited continuous impulses
Polarity	Positive / Negative / Alternating positive-negative
Overall Dimension	450mm×380mm×240mm
Weight	Approx. 12 kg

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.