

High Voltage Insulation Tester

This high voltage insulation tester assesses the insulation ability of electrical power equipment and insulation materials. The tester applies a high voltage at power frequency to determine if the insulation passes or fails.



Overview

High Voltage Insulation Testing

This High Voltage (Hipot) tester is designed to verify the electrical insulation integrity of power equipment and materials at power frequency high voltage. It provides a reliable 'go/no-go' assessment, making it an essential tool for ensuring safety and compliance in electrical testing. The system consists of a robust HV transformer and a precision main control box, with customizable output voltage and capacity to meet specific testing requirements.

Technical Specifications

Power Supply

- AC 220V 50Hz/60Hz (for capacity < 10kVA)
- AC 380V 50Hz/60Hz (for capacity > 10kVA)

Max Output Voltage

- 50kV
- 100kV
- 150kV
- 200kV
- 250kV

Output Capacity

- 3kVA
- 5kVA
- 10kVA
- 20kVA
- 30kVA
- 50kVA
- 100kVA
- 150kVA
- 200kVA

Transformer Insulation Options

Dry (Epoxy Resin), Oil, SF6 Gas

HV Transformer Mode

Single phase

Operational Features

Voltage Reading

Analog • Digital

Current Reading

Analog • Digital

Voltage Adjustment

Manual regulation

Safety & Environment

Safety Features

- Automatic zero position lock unit

Protection Mode

LV circuit over current protection

Operating Temperature

50 °C

Max Operating Humidity

80 %