

GDYD-55A Automatic AC/DC Hipot Test Set

5kVA/50kVAC, DC



(Automatic Control Unit+Oil testing transformer)
Pictures only for reference first.

Application

AC/DC hi-pot testing is the effective and direct way to test insulation strength for electrical equipment, apparatus or machines. It checks dangerous flaws which assure electrical equipment continuous working.

Typical applications include testing of transformers, switchgear, cables, capacitors, aerial motors platforms, hot sticks bucket bricks, vacuum bottles and other related equipment like vacuum interrupters, blankets, ropes, gloves, hydraulics hose, instruments transformers generators.

Features

- 7inch color LCD screen, with PLC automation control.
- HV Voltage, LV voltage, LV current measured at the same time, with high precision sensor and high-performance collection chip
- Automatic mode and manual mode for option.
- Display HV voltage, LV voltage, LV current, time and withstanding result.
- Over-voltage and over-current protection. Output voltage, HV current upper limit, LV current upper limit and timing can be set.
- Zero-starting function. Test can be proceeded after the voltage is back to zero.
- Store up to 8000pcs data in 3months. It has USB port to upload data to USB disk.
- When setting voltage is arrived, it will be timing automatically. After timing, voltage will be back to zero.
- When the LV current is over setting value, the voltage will be cut off automatically and it will be back to zero. When the HV current is over setting value, the test object will be

cut off and test can be proceeded continuously.

- With anti-interference ability, suitable for electromagnetic environment.
- With wheels for both control unit and HV unit, easy to move.

Technical Specifications

Input	AC220V \pm 10%, 20A, 50Hz
LV Output	AC 0-250V
HV Output	0-50kV, AC RMS 0-50kV, DC RMS Resolution: 0.01kV
Current Output	0-100mA Resolution: 0.1mA
Rating	100%Rated-1min, 50%-continuous
Capacity	5kVA (based on selectable)
HV Source	Insulation oil (Oil type testing transformer)
Output control	Automatic control
Voltage accuracy	\leq 1.5% (F.S)
Current Accuracy	\leq 1.5% (F.S)
Timing range	1s-99h
Metering	Digital display, kV meter: 0-50kV, mA meter: AC 0-100mA
Humidity	85% RH
Environmental temperature	-20 $^{\circ}$ C ~ 50 $^{\circ}$ C
Weight	Control Unit: About 18kg Oil Testing transformer: About 50kg.

Accessories

Control Unit	1 piece
Testing transformer (HV unit)	1 piece
Power cord	1 piece
Metering cable	1 piece
Output cable	1 piece
HV cable	1 piece
Microammeter & cable	1 piece
Discharge stick	1 piece
Ground cable	1 piece
User's guide	1 copy
Factory test report	1 copy

Other testing transformer for selection



5/50 Dry testing transformer weight is about 47kg.

5/50 Gas testing transformer weight is about 40kg.

Type	Insulation Medium	Features	Weight
Oil Testing Transformer	Insulation Oil	High insulation strength and good heat dissipation, Cost-effective, but heavy	50kg (5/50)
Dry Testing Transformer	Epoxy Resin	No pollution, weight is relative light than oil testing transformer	47kg (5/50)
SF6 gas Testing Transformer	SF6 Gas	Outstanding nonflammability, little corona, unaffected by climate, light weight	40kg (5/50)