

GDYD-1020D AC Hipot Test Set

20kVA/100kVAC(100kVAC,200mA)



(Manual Control Unit+Gas type testing transformer)

Pictures only for reference first.

Application

AC 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

- Digital display panel mounted controls & indicators with easy-to-read legend.
- Monitoring high voltage side voltage, low voltage side current and indicator of zero, power, working start, timing.
- Over-current protection, zero-starting protection, sound, and light alarm.
- Continuously variable output from zero to full voltage.
- Adjustable over current protection, with trip levels variable from 10 to 110%.
- With new type time relay, time range is wider (1S ~ 99H).
- Using the latest current relay, more accurate and reliable.
- Light weight, small size, easy to move.

Technical Specifications

Input	AC220V \pm 10%
Frequency	50Hz \pm 1
Output	0-100kV, AC RMS
Rating	100%Rated-1minute, 50%-continuous
Capacity	20kVA (based on selectable)
HV Source	SF6 gas filled transformer (Gas type testing transformer)
Output control	Manual control
Voltage accuracy	\leq 3.0%
Current Accuracy	\leq 3.0%
Timing range	0-99H
Metering	Digital display, kV meter: AC 0-100kV, mA meter: AC 0-100mA
Humidity	85% RH
Environmental temperature	-20°C~50°C
Weight	Control Unit: About 70kg Gas Testing transformer: About 90kg.

Protective resistor 100kV



Voltage Divider GDFR-C2-100(For option)



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- Balance type equal potential shield structure.
 - Fully sealed insulation cylinder with internal excellent components.
 - High accuracy and linearity, good stability, and anti-interference ability.
 - Small size, light weight, easy to carry in the field work.
 - Inner shield anti-interference system.
 - Measuring range: 0-100kV
 - Accuracy: AC1.5%
 - Capacitance: 300pF
 - Ratio: 1000:1

Accessories

Manual 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
Ground cable	1 piece
Protective resistor (for option)	1 piece
Voltage divider (for option)	1 piece
User's guide	1 copy
Factory test report	1 copy

Other testing transformer for selection



manual control unit with dry testing transformer



manual control unit with oil testing transformer

Type	Insulation Medium	Features	Weight
Oil Testing Transformer	Insulation Oil	High insulation strength and good heat dissipation, Cost-effective, but heavy	135kg (20/100)
Dry Testing Transformer	Epoxy Resin	No pollution, weight is relative light than oil testing transformer	100kg (20/100)
SF6 gas Testing Transformer	SF6 Gas	Outstanding nonflammability, little corona, unaffected by climate, light weight	90kg (20/100)