

YDST series

SF₆ Gas Insulated AC Hipot Tester



The YDST Series SF₆ gas insulated AC hipot testers are an economical solution to AC field-testing of bucket trucks, aerial platforms, vacuum interrupters, breakers, switchgear, and other electrical apparatus. All models in the series are handcart mounted for portability and come complete with input line cord, interconnecting cable and ground leads.

The YDST series test sets are specifically designed in meeting test procedures of the ANSI/SIA A92.2 1990 specification applied to the insulating boom of work platforms and bucket trucks.

The YDST series assures voltage measurements accurately using a special design for high voltage divider, a series HV porcelain capacitor be installed in the test transformer, this is big helpfully for improving the accuracy of the voltage measurement compare to use the measuring winding.

The YDST series equip the automatic control and

measuring system, it use the 12.1 inch touch screen, display all the test value such as HV voltage, current, guard current, real waveform, etc. They system also equip the manual button for the switch on/off, increase, decrease the voltage and emergency stop.

The YDST series also features digital current meter in the return leg of the high voltage transformer for accurate current measurements. A guard circuit prevents stray or surface leakage from being measured by the current meter.

To ensure safe operation the unit is equipped with a fast acting circuit breaker for over current protection, also the digital control also built in the over current and over voltage protection, zero start interlock and provision for an external interlock.

Features

- Compact portable hand cart design
- Zero start interlock
- 12.1 inch touch screen with Window XP Base software
- SF₆ filled high voltage test transformer
- Separate guard and return
- Metering accuracy $\pm 1\%$ full scale
- External high voltage divider inside the transformer
- Digital voltmeter from 1%-100% range of voltage permit the accuracy
- Digital current meter
- **Fast acting** overload circuit breaker
- **External** interlock provision

BENEFITS

- Ideal for field testing – compact, lightweight and rugged makes it suitable for field orientated applications
- Operator Safety – zero start and external interlock prevents high voltage to be energize until operator is ready.
- Simple to Use - a minimal amount of setup time and a simple control panel allows simple testing every time
- Accurate Leakage Current Measurement – while guard circuit eliminates stray leakage currents.



YDST-60

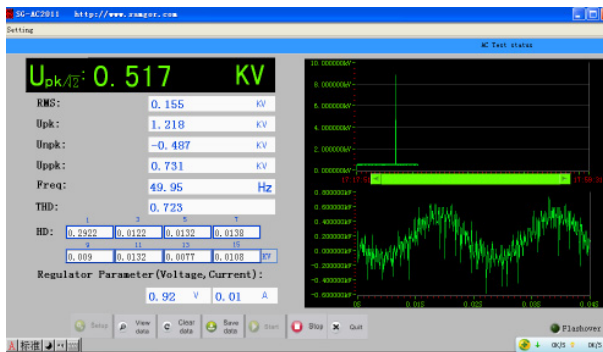
YDST-120(35)



Control and Measuring System

APPLICATIONS

- Aerial platform
- Bucket truck
- Vacuum bottles
- Vacuum interrupters
- Switchgear
- Hot sticks
- Any high voltage AC test requirement



Operator Interface

TECHNICAL SPECIFICATIONS

General	YDST-60	YDST-100(50)	YDST-120(35)
Rated Output Voltage	60kV	100KV / 50kV	120kV / 35kV
Rated Input Voltage	120V, 50/60Hz	120V, 50/60Hz	120V, 50/60Hz
	220V, 50/60Hz	220V, 50/60Hz	220V, 50/60Hz
Rated Output Current	100mA	50mA / 100mA	58mA / 200mA
Voltmeter Measure Range	10V-60kV	10V-100kV	10V-120kV
Voltmeter Accuracy	<1%	<1%	<1%
Current Measure Range	1mA-100mA	1mA-100mA	2mA-200mA
Current Accuracy	<1%	<1%	<1%
Duty	1 hour On, 1 hour Off @ 75mA	1 hour On, 1 hour Off @ 40/ 75mA	1 hour On, 1 hour Off @ 45mA/150mA
	5 min. On, 15 min. Off @ 100mA	5 min. On, 15 min. Off @ 50/ 100mA	5 min. On, 15 min. Off @ 58/200mA
	Continuous @ 50mA	Continuous @ 25mA/50mA	Continuous @ 29/100mA
Dimensions			
Complete Unit	60*60*150cm	60*60*150cm	60*60*150cm
High Voltage Transformer	45*45*52cm	48*48*68cm	50*50*80cm
Control Box	45*35*40cm	45*35*40cm	45*35*40cm
Cart	60*60*130cm	60*60*130cm	60*60*130cm

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