



GDYZ-30C Over-voltage Protection Test Device



General Information

GDYZ-30C Over-voltage protection device is widely used in the power system 35kV and below. It can make AC discharge voltage current and DC 1mA reference voltage test, so as to earlier find dangerous flaw of internal insulation moisture or valve aging. It can limit lightning over-voltage, over-voltage on vacuum circuit breaker and transient over voltage in power system, which effectively protect motors, transformers, switches, capacitors, cables and bus from damages. Besides, it can also limit inter-phase over-voltage and phase to ground over-voltage, which is superior than traditional lightning arresters.

Features

- Using high-strength, high-insulation and wear-resistant hard plastic sealed box, which is sturdy and durable, with good shockproof performance, convenient for on-site handling.
- Directly input 220V main power, suitable for various testing site.
- With HV output switch, after OUT circuit can be connected with high voltage output circuit, which can effectively avoid the output high voltage caused by mis-operation. Once there is high voltage output, it will alarm to remind operator.
- Built-in 32bit high speed processor, with data processing capability.
- LCD display, user-friendly.
- Flexible configuration. The main unit can output DC high voltage directly for testing the gapless 3-phase over-voltage protection device and surge arrester. It also can be equipped with testing transformer for power frequency discharge test with series gap over-voltage protector. A set of instruments can complete test items of common over-voltage protectors.
- Test parameters include AC action voltage test of series gap over-voltage protector and DC voltage 1mA reference voltage test of gapless over-voltage protectors and zinc oxide surge arresters. The data is reliable and accurate.

Specification

1. Power frequency Discharge Voltage Test	
Output voltage	AC 0.00-30.0kV
Resolution	0.1kV
Measurement accuracy	$\pm 1.5\% \pm 2$ digits.
Test interval time	≥ 15 s
Function	Automatic calculation of the three average values after the test is completed.
Print	Test result can be printed.
2. DC 1mA reference voltage test	
Rated output	DC 0-30kV, current 0-1000 μ A
Measurement range	Current 0-1000 μ A, voltage 0-30.0kV
Resolution	Current 1 μ A, voltage 0.1kV
Accuracy	$\pm 1.5\% \pm 1$ digit.
Function	With function of residual voltage automatic discharge.
Print	Test result can be printed.

3. Other parameters	
Power supply	220V±10%
Ambient temperature	-10°C~50°C
Relative humidity	≤80%
Altitude	<1000M
Size & Weight	Main unit: 380*280*210mm, 5.8kg Testing transformer: 255*150*255mm, 8.7kg