



HTXZ AC Resonant Test System for Cable



Product Introduction

Series resonance withstand voltage equipment, By adjusting the frequency of the power supply, the reactor can realize resonance with the tested capacitor and obtain high voltage and large current on the tested product.

Series resonant voltage withstand equipment consists of frequency regulating power supply, excitation transformer, reactor, capacitor voltage divider.

product names : Variable frequency resonant、Frequency conversion series resonance、Series resonance、Series resonant transformer、Series resonance test equipment、Cable voltage series resonance device、Series resonance withstand voltage equipment

Product Parameters

Rated output voltage	0 ~ 220kV(AC effective value) and below
output frequency	30~300Hz
Resonance voltage waveform	Pure sine wave, waveform distortion rate \leq 1.0%

Full load working time	Continuous working time of 60min
System quality factor	Under maximum load ≥ 20
Frequency adjust fineness	0.1Hz
Instability	$\leq 0.01\%$
Working power supply	Single-phase 220V or three-phase 380V $\pm 10\%$ Power frequency 50Hz $\pm 5\%$

Product features

- 1、The cables of 35kV and lower voltage grade are used in large quantity and the test workload is large, so this kind of withstand voltage test device is small in volume and light in weight, thus the portable cable withstand voltage test system is born.
- 2、This system requires that the weight of the parts that can be moved on site by a single person should not exceed 30kg, and the weight of the parts that can be moved on site by two people should not exceed 60kg, which is suitable for on-site handling.
- 3、The power supply adopts 220V single-phase power supply or 380V single power supply, which is convenient for on-site power collection.
- 4、The reactor adopts dry epoxy pouring, which is beautiful and reliable, suitable for all kinds of cables.
- 5、The voltage endurance test of 110kV and above voltage grade cable adopts oil-immersed reactor. When the single weight exceeds 100kg, our company's special small electric crane can be selected.