XZB-H AC Resonant Test System for CVT

Product Introduction

Capacitive voltage transformer (CVT) in calibration, the test must be conducted under the condition of 50Hz frequency, complex geographical condition on site at the same time, the traditional experiment device is difficult to meet the requirements of on-site handling, testing, series resonance booster device is first used in domestic field tunable resonance device, has been widely used in domestic 500 kv and below the field calibration of capacitor voltage transformer.

product names：Resonant booster for CVT inspection, frequency conversion booster, frequency conversion Series booster, Series resonance transformer, Series resonance transformer, transformer calibration Series resonance booster, Series resonance test equipment, Series resonance booster

Product Parameters

Rated Capacity	80kVA

rated voltage	160kV
Adjustable inductance range	65~130H
Rated frequency	50Hz
Rated current	0.5A
Adjustable gap range	0~300mm

Product features

1、Due to full compensation of resonant reactive power, the power of power supply and equipment is less than 1/10 of the required capacity of the subject (1/Q>10). Small size and light weight with the same capacity, large output capacity of the device and small power capacity required, cheap, convenient and safe to use;

2、Series resonance is actually a current filtering circuit, so that the current passing through the subject is basically the fundamental current, and the waveform distortion rate (THD) of the output voltage is very small, which is superior to all existing ac voltage withstand equipment

3、The short circuit current of the sample after flashover or breakdown is only less than 1/10 (1/Q) of the test current before short circuit, which can effectively prevent the expansion of damage to the fault point after breakdown;

4、After flashover, the arc will be automatically extinguished immediately. The long (number of seconds) process of restoring resonant state voltage after arc quenching is a steady-state establishment process, and there is no danger of voltage overshoot and no danger of restoring overvoltage in microsecond millisecond transient process.