

RDDF-10/400 Multiple Frequency Voltage Generator

The longitudinal insulation induced voltage withstand test of turn to turn, layer to layer, section to section and phase to phase insulation of transformer winding is an essential item in the transformer insulation test. Based on the particularity of the longitudinal insulation test, it is necessary to apply a frequency-doubling power supply device to improve the test voltage of insulation between windings to achieve the



withstand voltage test. The RDDF-10/400 multi frequency voltage generator designed and manufactured by our company has the advantages of simple operation and reliable performance, which can better meet the needs of induction withstand voltage test of transformer. The output of this instrument is a sine wave, the distortion of the waveform is minor, the distortion rate of the waveform is less than 3%, the waveform is sound, the volume is small, and the output is stable. The inverter power supply is controlled by a high-performance microprocessor, which has the advantages of high automation, fast and reliable protection, friendly man-machine interface and so on.



Product Features

1. It has over-voltage, over-current, zero start, flashover and other protection functions. The over-voltage and over-current protection values can be set according to the user's needs. When the sample flashover, the flashover protection acts to protect the sample.
2. Light weight, easy to use on site.
3. It has two working modes, automatic and manual, which allow users to choose flexibly according to the site conditions and improve the test speed.
4. It can store and print data in different places. The stored data number is digital, which is convenient for users to identify and search.
5. Using DSP platform technology, the human-computer exchange interface is humanised.



Product specifications and technical parameters

1. Capacity: 10kVA.
2. Input voltage: AC three-phase, $380V \pm 10\%$. (Note: single phase 220 V can also be connected to A and C terminals of power input; At this point, the capacity is halved).
3. Power frequency: 50 Hz.
4. Output voltage: 0 ~ 400V.
5. Output frequency: 50 Hz, 100 Hz, 150 Hz, and 200 Hz can be customized.
6. Waveform distortion rate: < 3%.



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