

NAVLF超低频高压发生器试验装置

产品名称	NAVLF超低频高压发生器试验装置
公司名称	南澳电气（武汉）有限公司
价格	1.00/套
规格参数	品牌:南澳电气(武汉)有限公司 型号:NAVLF 输出频率:0.1Hz、0.05Hz、0.02Hz
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产品详情

产品简介

NAVLF超低频高压发生器试验装置结合了现代数字变频先进技术，采用微机控制，升压、降压、测量、保护完全自动化，并且在自动升压过程中能进行人工干预。由于全电子化，所以体积小重量轻、大屏幕液晶显示，清晰直观、打印机输出试验报告。设计指标完全符合《电力设备专用测试仪器通用技术条件》，第4部分：超低频高压发生器通用技术条件》电力行业标准，使用十分方便。现在国内外均采用机械式的办法进行调制和解调产生超低频信号，所以存在正弦波波形不标准，测量误差大，高压部分有火花放电，设备笨重，而且正弦波的二，四象限还需要大功率高压电阻进行放电整形，所以设备的整体功耗较大。NAVLF超低频高压发生器均能克服这样一些不足之处。

产品别名

超低频高压发生器、NAVLF超低频高压发生器、程控超低频高压发生器、超低频交流高压试验装置、超低频耐压试验装置,超低频发生器

产品特性

- 1.电流、电压数据均直接通过高压侧采样获得，所以数据真实、准确。
- 2.过压保护：当输出超过所设定的限压值时，仪器将停机保护，动作时间小于20ms。
- 3.过流保护：设计为高低压双重保护，高压侧可按设定值进行精确停机保护；低压侧的电流超过额定电流时将进行停机保护，动作时间都小于20ms。
- 4.高压输出保护电阻设计在升压体内，所以外面不需另接保护电阻。

5.由于采用了高低压闭环负反馈控制电路，所以输出无容升效应。

产品参数

1、输出额定电压：略

2、输出频率：0.1Hz、0.05Hz、0.02Hz。

3、带载能力：参见下表

0.1 Hz 1.1 μ F(理论值，现场电缆长度为1 - 3公里)

0.05 Hz 2.2 μ F(理论值，现场电缆长度为1 - 3公里)

0.02 Hz 5.5 μ F(理论值，现场电缆长度为1 - 3公里)

4、测量精度：满量程的 3 %

5、电压正，负峰值误差： 3 %

6、电压波形失真度： 5 %

7、使用条件：户内、户外；温度：-10 +40 ；湿度： 85%RH

8、电源：交流50 Hz，220V \pm 5%

注意事项

1、NAVLF超低频高压发生器所配升压器不得作它用。

2、机内带电,切勿自行拆机修理，以免发生意外。仪器有故障，应与南澳电气联系修理。

3、关机后应用放电棒对试品进行充分放电,再拆线。

4、开机前应用放电棒对试品进行充分放电。

5、每次启动升压前应用放电棒对试品进行充分放电。

Product introduction

NAVLF Ultra-low Frequency High Voltage Generator combines the modern digital frequency advanced technology, uses computer control, boost, buck and measurement, automatically full protection, and in the process can automatically boost can carry a manual intervention in the process of automatically boosting. Since all with electronic, is small and light, large-screen LCD displayed, clear and intuitive, printer out testing report. The Design indicators is in full compliance "special test equipment electrical equipment General technical conditions, Part 4: ultra-low frequency high voltage generator general technical conditions" power industry standard, easy to use. Nowadays home and abroad adopted mechanical approach to produce NAVLF modulation and demodulation to generate

signal, so there is no standard sine waveform, and measurement error is large, high-voltage part with a spark discharge, heavy equipment, and the two and four-quadrants of sine wave, need large power high voltage resistance to discharge and sharp, the total total power consumption is very large. The NAVLF Ultra-low Frequency High Voltage Generator can overcome these shortcomings.

Also called name

NAVLF high voltage generator, NAVLF high voltage generator, programmable NAVLF frequency high voltage generator, NAVLF frequency AC high voltage testing equipment, NAVLF frequency withstand testing equipment, NAVLF frequency generator.

The Characteristics of the products

- 1, Advanced technology: Using digital frequency conversion technology, microcomputer controlled, boost, buck, measurement, protection and full automated testing process
- 2, Easy to operate: Wiring is simple, easy to move and operation
- 3, Comprehensive protection : Multiple protection (overload protection, high and low voltage over current protection), prompt action (action time 20ms), is a safe and reliable instrument
- 4, Safe and reliable: the controller and high-voltage generator voltage connection via low voltage, photoelectric control, safety and reliability.
- 5, Using a high-pressure closed-loop negative feedback control circuit, the output capacity without capacity boost effect
- 6, Fully equipped: large LCD display, automatic storage, automatic printing
- 7, Large test range: 0.1Hz, 0.05Hz and 0.02Hz multi-frequency selection, large testing range
- 8, Small in size, light in weight: is conducive to outdoor work

The parameters of the products

- 1, The output voltage: see table below
- 2, The output frequency: 0.1Hz, 0.05Hz, 0.01Hz.
- 3, Load capacity: see table

0.1 Hz Maximum 1.1 μ F (theoretical value, on-site cable length 1-3 km)

0.05 Hz Maximum 2.2 μ F (theoretical value, on-site cable length 1-3 km)

0.02 Hz Maximum 5.5 μ F (theoretical value, on-site cable length 1-3 km)

4, Accuracy: 3% of full scale

5, The voltage positive and negative peak error: 3% of full scale

6, The voltage waveform distortion: 5%

7, Usage conditions : indoor, outdoor;

Temperature: -10 +40 ;

Humidity: 85% RH

8, Power Supply: AC 50 Hz, 220V \pm 5%

Attention should take

- 1, NAVLF Ultra-low Frequency High Voltage Generator are equipped with a booster, can not use for other ways.
- 2, If the machine charged, do not try to disassemble and repair, to avoid accidents. If the
- 3, After shut up the instrument, please use discharging rod to discharge the tested object fully, then dismantle the wire.
- 4, Before turn on the instrument, please use the discharging rod to discharge the tested object fully.
- 5, Before turn on and boost, please use the discharging rod to discharge the tested object fully.