

## **RDJB-1600M Microcomputer Relay Protection Tester**

RDJB-1600M Microcomputer Relay Protection Tester is our company extensively listening to user opinions, summarizing the advantages and disadvantages of similar domestic products at present, and fully using modern advanced A new type of miniaturized microcomputer relay protection tester based on microelectronic technology and devices. Small size and high accuracy. It not only has the superior performance and advanced functions of large-scale testers, but also has the advantages of compactness, flexibility, easy operation, high reliability, etc. of small testers, and high performance-price ratio. It is a good tool for relay protection workers



### ◇ **Product Features**

#### 1. Flexible combination of voltage and current output

Six phase voltage and six phase current can be output, which has made it is possible to be any combination, such as the output mode of the combination of conventional four phase current and three-phase current, six phase voltage mode, six phase current mode and 12 phase output mode. It not only can be compatible with the traditional way of various tests, but also can conveniently carry out differential test of three-phase transformer.

#### 2. Operation mode

The device can run independently, and can also be operated by an external laptop or desktop computer, which is convenient and efficient and stable performance.

#### 3. A new hi-fi linear power amplifier

The output port has always insisted on using the modular linear power amplifier instead of the switching power amplifier, which has the high fidelity and high reliability function and excellent performance. High-mid frequency will not be produced to disturb the test, also ensure the smoothing accuracy of waveform produced by the whole course of the high current to the tiny current is excellent.

#### 4. High performance Mainframe

The output part adopts DSP control, which has fast operation, real-time digital signal processing capability, wide bandwidth and high resolution D/A conversion control. The output waveform has the features of high precision, small distortion and good linearity. With using a large number of advanced technology and precision components and materials and the structure of professional design, the device has the features of small volume, light weight, full function, easy to carry, boot can work, flow test is very convenient.

5. Powerful software function

It can complete all kinds of high automatic validation work which is large and complex. It can also conveniently test and scan protection setting, playback of fault, real-time store test data, display vector, online print report and so on. Besides, six-phase current can facilitate the test of three-phase differential protection.

6. Independent DC power output

An 110V and 220V adjustable DC power is designed to supply output.

7. Complete interface

The device with USB communication port can communicate with the computer and other external devices.

8. Perfect self-protection function

With reasonable design of the heat dissipation structure and the reliable and perfect hardware protection measures, it has the power soft start function and the software of the fault self-diagnosis and the output latch function.

✧ **Product specifications and technical parameters**

1. AC current source

The virtual value of each phase output when six phase current output: 0 ~ 30A;  
output precision: 0.2 grade

The virtual value of each phase output when three phase current output: 0 ~ 60A

The virtual value of six phase parallel current output: 0 ~ 180A

The allowed virtual value when the phase current work long time: 10A

The maximum output power of phase current: 450VA

The maximum output power when six phase parallel current output: 1000VA

The allowed working time when six phase parallel current maximum output: 10s

Frequency range (fundamental wave): 0 ~ 1000Hz

Harmonic order: 2 ~ 20

Phase: 0~360°

2. DC current source:

Current output: 0 ~ ±10A / phase ; output precision: 0.5 grade

The maximum load voltage output: 20V

3. AC voltage source:

The virtual value of phase voltage output: 0 ~ 120V      output precision: 0.2 grade

The virtual value of line voltage output: 0 ~ 240V

The output power of phase voltage/ line voltage: 80VA / 100VA

Frequency range (fundamental wave): 0 ~ 1000Hz

Harmonic order: 2 ~ 20

Phase: 0~360°

4. DC voltage source

The output amplitude of phase voltage: 0 ~ ±160V ; output precision: 0.5 grade

The output amplitude of line voltage: 0 ~ ±320V

The output power of phase voltage/ line voltage: 70VA / 140VA

5. Switching terminal

8 channels input

Free contact: 1 ~ 20mA, 24V

Electric potential contacts: "0": 0 ~ +6V; "1": +11V ~ +250V

4 channels output: DC: 220V/0.2A; AC: 220V/0.5A

6. Time measurement range:

0.1ms ~ 9999s , measurement accuracy <0.1ms

7. Power: AC220V ± 10% ; 50Hz