GDJB-902 Protection Relay Test Set

Product Description

Relay Protection Microcomputer Test Device plays a key role in operating electricity power systems reliably and safely. It is the testing device used in professional field of microcomputer protection, relay protection, excitation measurement, fault recorder.

Features

- Embedded host machine, equipped with big programmed CPLD (Complex Programmable Logic Device).
- 12channels D/A output simultaneously in a single machine.
- High precise linear power amplifier, 5-phase voltage and 3-phase current output simultaneously.

- 8inch LCD screen display. Provide with keyboard/mouse connecting port, also 2USB port, 2 RS232 port, to communicate with PC and other communication devices.
- Easy to carry, suitable for flexible testing and wild working.
- Intelligent self-protection.
- 8channels switching value input and 4channels switching value output. Input contact is idle contact and 0-250V potential contact for selectable, intelligent identification.
- Plentiful Binary and powerful software function.
- Two groups of DC power supply, 110VDC/1.0A&220VDC/0.6A,no need to set and adjust by software(Optional).

Specifications

Main rated parameters

<table>
<tr><td rowspan="2">AC current output</td><td>GDJB-902</td><td>Phase current output (RMS)
3×0~30A
Maximum output power
260VA/phase
Maximum parallel current output (RMS) 0~90A</td></tr>
<tr><td colspan="2">Long-term allowable working value of phase current (RMS) >10A
Allowable working time of maximum current >11s
Accuracy
<±0.2%</td></tr>
</table>

AC voltage output	GDJB-902	Phase voltage output (RMS) 5×0~130V Line voltage output (RMS)	0~260V
	Maximum output power 70VA/phase Accuracy <±0.2%		
DC voltage output	GDJB-902	Output range or 5×0~±130V Maximum output power Accuracy	0~300V 130VA <±0.2%
DC current output	GDJB-902	Output range 3×0~±15A Maximum output power Accuracy	-15~15A or 200VA <±0.2%
Binary input		Idle contact 24V (DC) Electric potential contact (DC)	1~20mA, 0~250V
Binary output		Idle contact (DC)	250V/0.5A

Other rated parameters

Rated output	Frequency error	<±0.01HzHz
	Phase error	<±0. 2°
	Waveform distortion (fundamental wave)	<±0.3%
	Time error	<40μs
	Output frequency	0~1050Hz
	GDJB posed harmonic wave	0-21times
Power voltage	Allowable range	AC220V±10%, 50Hz±10%
Ambient temperature	Use range	0~45℃
	Storage range	-25~70℃
Time measurement	Test range 0.1ms~999999.999s	
Exterior appearance of cabinet	Electromagnetic compatible cabinet, which is made of high-grade all aluminum alloy extruded section and has fine appearance, is selected.	
	Dimension of cabinet: length×width×height	360mm ×195mm ×375mm
Weight of cabinet	Weight of host machine	16.6kg

Load-bearing output	Selectable between light load or heavy load output (When any phase current output surpasses 15A, it is suggested to press key F3 before test of each functional module so as to switch to heavy load output mode)