

HYJB-PC Universal Relay System Tester



1.1 Application:

HYJB-PC is applied to test the relay unit in relay protection system. At the same time HYJB-PC could be considered as a universal three phase AC/DC voltage source or current source

1.2 Functions

- 1) AC current and voltage based protection relay unit test
- 2) DC current and voltage based protection relay unit test
- 3) Frequency protection relay unit test
- 4) Harmonic protection relay unit test
- 5) Differential protection relay unit test
- 6) Zero-sequence protection relay unit test
- 7) Distance protection relay unit test
- 8) Power system network fault simulation



1.3 Technique Index:

- 1) Max AC current output 30A at per phase limited in 10s, 90A at three phases in parallel limited in 10s, Frequency 20~1000Hz, Continuous current output 10A at per phase , Capacity 420VA at per phase
- 2) Max DC continuous current output ± 10 at per phase, maximum voltage 20V, 30A output at three phase in parallel
- 3) Max AC voltage output 120V at per phase, 240V at phase to phase, Frequency 20~1000Hz, capacity 80VA at per phase, 100VA at phase to phase
- 4) Max DC voltage output ± 160 V at per phase, ± 320 V at phase to phase, capacity 70VA
- 5) Time counter 0.1ms~9999s, error < 0.1ms
- 6) AC current and voltage error < 0.5%RDG+0.05%FS
- 7) DC current error < 0.5%RDG+0.05%FS, DC voltage error 1%RDG+0.1%FS
- 8) Binary input: Active node 0~250V, 0~6V for "0", 6~250V for "1", passive node: 20mA max
- 9) Binary output: DC 220V/0.2A, AC 220V/0.5A
- 10) Power supply: AC220V $\pm 10\%$, 50Hz/60Hz
- 11) Environment temperature: 0~50°C
- 12) Humidity: $\leq 85\%$ RH
- 13) Weight:<18KG