

Relay Protection Tester

General information about ADRP-1300T Relay Protection Tester

ADRP-1300T Relay Protection microcomputer test device play 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 voltage outputs and 3 current outputs 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).



Technical specification of the device:

Main rated specification: AC current output

Three phase AC:

- Phase current output (effective value): $3 \times 0 \sim 30\text{A}/\text{phase}$
- Max. output power: $260\text{VA}/\text{phase}$
- Max. parallel connection current output (effective value): $0 \sim 90\text{A}$
- Phase current allowable effective value: $< 10\text{A}/\text{phase}$
- Max. current allowable working time: $< 10\text{s}$
- Accuracy: $< \pm 0.2\%$
- Lapped overtone times: 0-21times

DC:

- Output range: $-10 \sim 10\text{A}$ or $3 \times 0 \sim \pm 10\text{A}$
- Max. output power: 200VA
- Accuracy: $< \pm 0.2\%$

AC voltage output

AC five phase:

- Phase voltage output (effective value): $5 \times 0 \sim 130\text{V}/\text{phase}$
- Line voltage output (effective value): $0 \sim 260\text{V}$
- Max. output power: $70\text{VA}/\text{phase}$
- Accuracy: $< \pm 0.2\%$
- Lapped overtone times: 0-21times

DC:

- Output range: $0 \sim 300\text{V}$ or $5 \times 0 \sim \pm 130\text{V}$
- Max. output power: 130VA
- Accuracy: $< \pm 0.2\%$

Binary input

- Idle contact: $1 \sim 20\text{mA}$, 24V (DC)
- Electric potential contact: $0 \sim 250\text{V}$ (DC)

Binary output

- Idle contact: $250\text{V}/0.5\text{A}$ (DC)



Other rated specification:

Rated output:

- Frequency error: $<\pm 0.01\text{HzHz}$
- Phase error: $<\pm 0.2^\circ$
- Waveform distortion: $<\pm 0.3\%$ (fundamental wave)
- Time error: $<40\mu\text{s}$
- Output frequency: 0-1050Hz
- Lapped overtone times: 0-21times

Power voltage:

- Allowable range: AC220V $\pm 10\%$, 50Hz $\pm 10\%$

Ambient temperature:

- Use range: 0~45°C
- Storage range: -25~70°C

Time measurement:

- Test range: 0.1ms~999999.999s

Cabinet dimension:

- 360mm(L) \times 195mm(W) \times 375mm(H)

Cabinet weight:

- host machine: 16.6kg

