

# Automatic Single Phase Relay Test Kit

## Introduction:

Our Relay protection tester is a newly developed tester adopting monolithic computer technology. It is composed of auto synchronized digital millisecond counter, logic controlling unit, multifunction digital display, high-precision digit collection and processing unit, current-voltage output unit, overload and over range protection unit. Equipped with printer inside and automatic test process greatly improved working efficiency.

The tester adopts accurate time-counting basic reference (10 microsecond) and time counter with 999s duration. So it can serve as precision millisecond counter independently to replace traditional seconds counter.



## Application:

- The instrument may test various AC / DC current, voltage, intermediate, self perpetuating, signal, protection screen of single relay and whole group relay, it may test switching in voltage (current) value for various relays. Switching in time and breaking time for various contact tips (normally open, normally closed, changeover, time delay) are tested three times automatically, readings are stored and automatically the return coefficient of three-times mean value is calculated and printed, it could display and print test results repeatedly.
- Reclosing relays could be tested.

## Features:

- Micro-computer controlled: Self test function and error reporting
- Audio + Visual warning and automatic cut-off for overload and over range
- Highly intelligent: One key tests and prints complete parameters of universal relay
- LED display screen

## Specifications:

Power	230V $\pm$ 5% AC, 50 Hz
AC voltage output	0~250V continuous with maximum capacity of 600VA Over-range protection: 260V Error: $\pm$ 1%.
AC current output	0~50A, 0~100A continuous When 0~50A, open circuit voltage: 10V. When 0~100A, open circuit voltage: 5V. Over-load protection spill current: 120A Error: $\pm$ 1%
DC voltage output	0 ~ 250V continuous with maximum current of 2A Over-range protection: 260V Over-load protection spill current: 2.1A $\pm$ 5%, Error: $\pm$ 1%.
DC current output	0 ~ 200mA, 0 ~ 5 A continuou When 0 ~ 200mA, open circuit voltage: 48V, over-load protection spill current: 230mA. When 0 ~ 5A, open circuit voltage: 24V, over-load protection spill current: 5.2A. Error: $\pm$ 1%.
Fixed output for DC voltage	Independent output: 110V or 220V at 2.5A
Digital millisecond meter	Max range: 999s Resolution: 0.1 millisecond Accuracy: 0.1% $\pm$ 1 digit
Accuracy for whole set	$\leq$ 1%
Dimensions	460 * 320 * 310mm (approximately)
Weight	20Kg (approximately)

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