



Automatic RELAY TESTER

model: DYR-II



Introduction: Model 'DYR-II' is an ideal, newly developed multifunction relay tester adopting monolithic computer technology. It is composed of auto synchronized digital millisecond timer, logic controlling unit, multifunction digital display, high precision digit collection and processing unit, current-voltage output unit, overload and over range protection unit. Test process is automatic for improved efficiency. The tester has a built in printer for printing the results.

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
- Tests AC 'live-line' contacts

NEUTRONICS MANUFACTURING COMPANY



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Application: For testing various AC/DC current, volt, intermediate, self-perpetuating, signal, protection for switching in voltage [current] value for various relays. The switching in time and breaking time for various contacts [normally open, normally closed, changeover, time delay] are tested three times automatically, readings are stored and automatically the mean value of three readings is calculated and printed. Re-closing relays can also be tested. 'DYR-II' is equipped with frequency and phase testing function to test frequency of current, voltage [display time for a cycle] and phase difference between signals. 'DYR-II' has two independent channels, insulated from the other output and can easily test live-line contact. 'DYR-II' adopts accurate time counting reference [10 microseconds] and can serve as a precision independent millisecond counter to replace traditional seconds counter.

Specifications

Input	: 230 \pm 5% Volts AC, 50 Hz, Single phase
AC voltage output	: 0-250 volts maximum capacity of 600VA Over range protection: 260 volts
AC current output	: 0-50 amps open circuit voltage of 10 volts 0-100 amps open circuit voltage of 5 volts Over load protection: 120 amps
AC voltage output	: 0-250 volts continuous maximum current 2 amps Over range protection: 260 volts Over load protection: 2.1 \pm 5% [buckle wave co-efficient is S=0.1.
DC current output	: 0-200mA; open circuit voltage 48V; over-load protection: 230mA 0-5Amp; ; open circuit voltage 24V; over-load protection: 5.2A
Fixed DC-V output	: Independent output: 110V or 220V at 2.5A
Millisecond meter	: 5 digit, auto synchronized millisecond counter. Maximum range of 100 hours. Resolution: 0.01 millisecond Accuracy: 0.01% \pm 1 digit
Output Accuracy	: \pm 1%
Dimensions	: 46 x 32 x 31 cm [approximately]
Weight	: 20 kg [approximately]

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