

# SECONDARY CURRENT INJECTION TEST SET

RNT-5A

Quality | Accuracy | Reliability



This is a Portable Testing Kit in One Unit, Suitable for Testing Protective Relay, Over Current Relay, Earth Fault Relay, Circuit Breaker, Tripping Coils etc. The set is Designed for Both Laboratory and field use.

## TECHNICAL FEATURES

<b>INPUT</b>	230 Volts, single phase, 50Hz. AC.
<b>OUTPUTS</b>	> Current Output 1) 0-5 Amps. At 6/50 Volts. 2) 0-10 Amps. At 6/50 Volts. 3) 0-20 Amps. At 6/50 Volts. 4) 0-50 Amps. At 6 Volts. 5) 0-100 Amps. At 6 Volts. 6) 0-200 Amps. At 6 Volts.
<b>Current Output is Continuously Variable &amp; the Output is taken out Through a Multi Range C. T. The Secondary is Connected to an Ammeter Scaled in 0 to 100%.</b>	
<b>2) AC Voltage Output</b>	Continuously variable 0-230V AC. Capacity-240VA.(Max).
<b>OR DC Voltage Output</b>	Continuously variable 0-240V DC. Capacity-240VA.(Max).
<b>3) Time Measurement</b>	0-9.999Secs. & 0-99.99Secs. in two ranges.
<b>Accuracy</b>	1%
<b>CURRENT CIRCUIT:</b>	Double winding loading transformer of suitable burden to provided corresponding to the current output specified before.
<b>Mesuring CT</b>	Multi ratio wound primary current transformer
<b>Ratio</b>	5-10-20-50-100-200A/5A.
<b>Variable auto transformer</b>	For smooth variation of current output at various ranges selected.
<b>Tripping Circuit</b>	The current output will be cutoff incase of any overload or even if the relay under test actuated.
<b>Metering</b>	Digital meter. Basic Range - 0 to 5A AC. Scaled in 0 to 100% for all selected range. Accuracy - 1.5% of full range.

<b>VOLTAGE CIRCUIT</b>	One AC/DC change over switch will be provided in the set to select the Voltmeter in AC or DC mode.
<b>Variable auto transformer</b>	For smooth variation of voltage output for AC or DC 0-240VAC/DC. Isolation transformer of suitable burden is provided for AC/DC output.
<b>Metering</b>	Digital meter. Basic Range - 0 to 300V AC/DC. Accuracy - 1.5% of full range.
<b>Timer circuit</b>	Dual range digital time interval meter
<b>Ranges</b>	I) 0-9.999 Sec. II) 0-99.99Sec. in two switching range.
<b>Selector for NO &amp; NC contacts. Reset push button. "Start" time signal is potential free closing or opening of auxiliary contacts of the set contactors.</b>	
<b>GENERAL ARRAGEMENT</b>	The test kit will be in one unit. Meters, terminals, indicators, regulator knobs, timer display etc. will be fitted on the horizontal panel of the set which can be approached by opening the top lid. An input chord of 2 meter length with 3pin plug will be provided. loading transformer, measuring CT & protection circuit will be housed within the same unit. Operation manual, schematic circuit diagram work test report, warranty certificate will be supplied along with the set.

Product Specifications are subject to change without notice

Manufactured By :

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