

RELAY TEST SET (SECONDARY INJECTION TEST SET)

Routine testing and timing of Protective Relays, Circuit Breakers and complete protection systems including both Thermal and Magnetic devices. The Secondary Injection Test Set has been designed to provide the maintenance and commissioning engineers more facilities in one self contained Instrument.

Automatic control can be provided such that all outputs can be switched off once the device under test has operated. The automatic control can be switched in and out of circuit or all outputs, thus enabling setting up procedures to be carried out.

Secondary injection sets have been designed keeping in view the requirements of field and laboratory. The sets are portable, light in weight, yet having all the technical features for testing relays and contactors. The Instrument is housed in a robust case complete with protective cover and fold away carrying handles. Once the protective cover is closed the equipment is afforded protection to IP65.



TECHNICAL DETAILS

Secondary injection/Relay test set is designed for working on 230 V single phase 50 Hz. Supply with power 'ON-OFF' indicator. The set will have following independent circuits depending upon functional requirement of customer. Each circuit shall have push button actuated, relay/contactors to control the output of the circuit. All these circuits and components shall be housed in rigid and robust industrial grade class aluminum case with carrying handle and trolley.

CURRENT CIRCUIT

To inject current of desired value in the relay/contactors. This circuit consists of loading transformer, selector switch, and variable control. Depending upon specific requirement percentage selector switch can also be provided to inject current at various multiples. The current injected is indicated by Ammeter. Current injection of any capacity could be provided as per customer's need.

VOLTAGE CIRCUIT

This circuit supplies voltage independently as per requirement. The continuously variable voltage is provided in both AC as well DC. AC or DC both Voltages can be seen in their meters. The current carrying capacity of the voltage circuit is preset up to 2 Ampere, but if higher source is indeed then could be supplied on special demand.

TIMER CIRCUIT

Digital timer is provided with freezing facility for recording the operation / tripping time of relays under test. The timer circuit is synchronized with current circuit, means when current circuit is operated then it will simultaneously give the start signal to Timer and when external relay to be tested is operates then it gives the stop signal to Timer. Timer will hold the time data till it is reset manually or next operation is start.

FEATURES

- » Very user friendly control panel to operate.
- » Continuously Variable output voltage for AC as well DC.
- » Two range of AC output Current as 0-2A and 0-5A,0-50A as well 0-100A.
- » Aux. Supply : 24, 110, 230 AC as well DC as per Model.
- » Output metering for Volt as well Ampere used Digital type for easy read out.
- » Each of the output has a separate output ON button and pair of terminals.
- » All outputs continuously variable.
- » Choice of built in micro controller based timer system.
- » Suitable for testing thermal devices.
- » All outputs fully isolated and distortion free.
- » Compact and highly portable.
- » Fully rugged and robust design.



Model	RELAY 100X	RELAY 100A1P
Mains	230V, 1 Phase, AC, 50Hz	230V, 1 Phase, AC, 50Hz
Voltage-AC	0-230V	0-230V
Voltage-DC	0-280V	0-280V
Current-AC	0-5/50/100A	0-5/50/100A
Current-DC	N/A	0-5A
Timer	NO-COM Synchronized with 100A Current	Auto detect NC/NO-COM Synchronized with 100A Current
Meter	3 Digit Meter	4 & 1/2 Digit Meter
Aux. Supply -AC	N/A	24,110,230V AC
Aux. Supply -DC	N/A	24,110,230V DC
Enclosure	MS Powder Coated	Aluminum Powder Coated
Accessories Probe Set	3 Mtr. Mains Power Cord 3 Mtr. For Voltage Range 3 Mtr. For 5A Current Range 3 Mtr. For 100A Current Range 3 Mtr. For Timer	3 Mtr. Mains Power Cord 3 Mtr. For Voltage Range 3 Mtr. For 2A/5A Current Range 3 Mtr. For 100A Current Range 3 Mtr. For Timer

OTHER PRODUCTS

Testing Instruments supports manufacturers, repairers, agency owners and contractor in each Power Sector related industry with a breadth of critical services.

- » Primary Injection Test Set / Relay Test Set.
- » Oil BDV Test Set.
- » HV Test Set (AC/DC).
- » Transformer Turns Ratio Test Set.
- » Transformer Voltage Ratio Test Set.
- » Load Bank.
- » Transformer Routine Test Set.
- » 3 Pole Breaker Timer.
- » Winding Resistance Test Set.
- » Contact Resistance Test Set.
- » 1phase / 3phase Transformer / Motor testing panel. (Custom built).
- » All Kind of Transformers, Variacs (Auto Transformers) and Inductors.
- » Epoxy Resin cast high volt transformer. (1KV TO 100KV).
- » DC Power Supply.

Our expert Engineering team can effort your any kind of Queries.



"TESTING INSTRUMENTS"

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