

Power System / Relay Lab Trainers

Technical Specifications:

CT Test Set

- LCD Display.
- LED Indication.
- Aux. ON/OFF Switch.
- Current Range Selection - 1A & 5AAC.
- Hold Key.
- Standard CT & Burden Terminals.
- 'X' CT & Burden Terminals.
 - A) Percentage Ratio Error : 0 to 50%
 - B) Phase Ratio Error : 0-1000 Minutes
 - C) Input Current : 0.05A to 7.5AAC
 - D) Accuracy : + 1% of reading
 - E) Indication : a) Reverse Polarity
: b) 'Std' C.T. Sec. open
: c) 'X' C.T. Sec. Open
: d) Difference Ratios of 'Std' & 'X' CT Hi-imbalance
: e) Over Current
: f) Ratio Error Polarity
: g) Phase lag-lead
: h) Phase Error Over Range

Burden Box

- On Standard Transformer 1.5VA at U.P.F.,
- On 'X' Transformer same as connected
- Externally at 'X' Burden terminal +1.5 VA

Current Injection Set

- Output Variable Current 100Amps
- Provided with Digital Current Meter & Timer
- Kit Type : Manual operated
- Terminals : Terminals for current output.
- Switches : Main, On and Off Switches, Timer start and stop Switch & Overload reset switch.

Current Transformer

- Range : 100 : 5 Amps (2Nos)

Standard Accessories:

- Power Cords, Patch Cords, Instruction Manual

ME 2479R – Under Voltage / Over Voltage Relay Testing Kit (Static Type)

Objective:

- To study the construction of relay
- Test an relay in over / under voltage protection scheme for operating characteristic using voltage injection
- To obtain the time & current characteristics of a over / under voltage type relay (Static)

Features:

- Compact and easy to use in electrical laboratories
- Equipped with high safety features
- Portable and easy to install
- Elaborated instruction manual with calculated values



Technical Specifications:

- Relay Type : Over / Under Voltage Relay (Static Type)
- Terminals : 4mm Terminals for Trip, Voltage Output and Input
- Meters (Digital) : 1No. AC Voltmeter Meter 0 – 220V & 1 No. Digital Timer .0001sec. to 9999sec. (Auto) (96mm x 48 mm)
- Voltage Injector : Inbuilt variable voltage injector 220V to create Fault Voltage
- Indicators : Provided on front panel for Mains, Voltage, Trip & Alarm
- Switches : Provided on front panel for Mains, Timer Reset, Test Switch (ON/OFF)
- Relay Circuit Diagram: Screen Printed on front panel size 700mm x 400mm
- Dimensions : 700mm x 400mm x 300mm
- Weight : 30Kgs Approx.
- Power Requirement : 220VAC $\pm 10\%$, 50Hz

Standard Accessories:

- Power Cords, Patch Cords, Instruction Manual