Order Code - 46620
Differential Relay Testing System

46620 Differential Relay Testing System is a versatile product for electrical laboratories. Various type of relays are used as protection devices in combination with circuit breaker in electrical system. The Different Relay operates due to differential current flowing in the circuit. When current between two sections vary from a known and permissible value, the relay gets tripped and protects the connected device.

The Differential Relay requires two current sources for its operating & testing. For this, two current injection units are provided with the system. The current of both the injection units are displayed on LCD with the differential current to perform the experiment with higher stability & accuracy. The students can understand the working of differential relay by measuring the operating characteristics. They can also learn the connection of this protection device in the electrical circuit.

Features

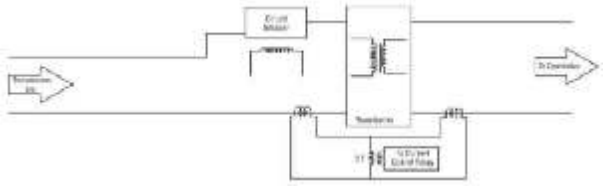
- Alphanumeric 16X2 Big Font LCD for better visibility
- Electromechanical relay to understand internal mechanism and its working
- Inbuilt Single Phase Variac with isolation
- Two variable current injection units
- Tripping function settings
- Exclusive and attractive design
- Diagrammatic representation of relay connection in transmission line
- Designed by considering all the safety standards
- Learning material CD
- 2 Year Warranty

Technical Specifications

Mains Supply	: 230V AC ±10%, 50Hz
Single Phase Variac	
Input	: 230V AC
Output	: 0 - 270V AC
Current	: 2A
Single Phase Transformer	
Input	: 230V AC
Output	: 24V AC
Current	: 3A
Dimensions (mm)	: W 830 x D 350 x H 645
Weight	: 62kg (approximate)

Scope of Learning

- To study and verify the operating characteristics of Differential Relay with different plug setting
- To study the connection of Differential Relay in electrical circuit



For understanding the role of relays in real time transmission system here a circuit of transmission line is provided from source to distribution with proper placing of all its require components

Note: Specifications are subject to change.

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