



46609 Radial and Ring Main Distribution System is specially designed to illustrate the working phenomenon of Distribution System configured as Radial and Ring Main Distribution System. Distribution System is the part of electric power system which connects the high voltage transmission networks to the low voltage consumer service points. Distribution Systems should be designed in a way that Voltage variation at consumer terminals must be maintained with in $\pm 5\%$.

46609 provides complete learning content to develop Ring and Radial Distribution System manually. The Voltage regulation is studied by performing experiments & comparison. It includes inbuilt DC Variable Supply with adequate protections, precise digital meters are used along with separate sections for Radial and Ring Main Distribution System so that students can understand the significance of these systems in a proper sequence.

Features

- Digital 3 nos. DC Voltmeter & 3 nos. DC Ammeter for accurate measurement
- Separate connection for Radial & Ring Main System
- Inbuilt DC Variable Supply
- Isolation Transformer is provided for safe operation
- Exclusive and attractive designed panel
- Provided with inbuilt lamp load holders
- Diagrammatic representation for the ease of connections
- Learning material CD
- 2 Year Warranty

Scope of Learning

- Study of Radial Distribution network
- Study of Ring Main Distribution network

Technical Specifications

Mains Supply	: 230V \pm 10% V AC, 50Hz
Inbuilt Isolated DC Output Supply	
Rated Voltage	: 0 - 220V \pm 10% (Variable)
Rated Current	: 2A
Transformer	
Rating	: 0.5kVA
Primary Voltage	: 230V
Secondary Voltage	: 150V
Variac	
Input	: 230V
Output	: 0-270V
Current	: 2A
Digital DC Voltmeter (3 Nos.)	
Range	: 20-500V
Display Resolution	: 1V
Digital DC Ammeter (3 Nos.)	
Range	: 0-5A
Display Resolution	: 0.01A
MCB	: 2A (SPN)
Dimensions (mm)	: W 824 x D 350 x H 624
Weight	: 42kg (approx.)

Note: Specifications are subject to change.

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