



**46609A** Power Distribution Trainer is a rugged training system for the Electrical laboratories mounted on Aluminum profile rack with sturdy table top flat panel. Each panel has ABS molded plastic sturdy enclosure with 4mm shrouded connectors showing circuit diagram & its connection tag numbers for easy understanding and connections. The product helps you to get fully acquainted with the basic concepts and functioning of an Power Distribution Trainer.

### Experiments

- 01 To study working of dol starter and measure line and phase voltages
- 02 To study connection and working of emergency switch
- 03 To study and measure current in three phase circuits
- 04 To study working of bus bar
- 05 To study connection of mcb 3 pole circuit breaker 32a, 3 phase
- 06 To study connection of single phase energy meter
- 07 To study connection of three phase energy meter
- 08 To study working of voltage selector switch
- 09 To study connection of 1 phase 5 pin output socket
- 10 To study connection of 3 phase 5 pin Output Socket

### Provide Panels

	Order Code	Qty.
01 Aluminium Trainer Rack.....	69700	1
02 Industrial Socket Block -1.....	69751	1
03 Industrial Socket Block - 2.....	69752	1
04 MCB Block - 1.....	69753	1
05 MCB Block - 2.....	69754	1
06 MCCB Block Panel.....	69755	1
07 1 Phase KWH Meter Block.....	69756	1
08 3 Phase KWH Meter Block.....	69757	1
09 3 Phase Fuse Block.....	69758	1
10 3 Phase Power Supply Block.....	69759	1
11 Ammeter & Voltmeter Block.....	69760	1
12 Lamp load Block.....	69761	1
13 3 Phase Multifunction Meter and Emergency Switch Block.....	69762	1

Note: Specifications are subject to change.

**INDUSTRIAL SOCKET BLOCK - 1 Order Code - 69751**

- 1 5 Pin Socket 2nos.
- 2 1 Way 2 Terminal 10A Switch 2nos.
- 3 3 Phase Industrial socket 2 Nos. 16A
- 4 Shrouded safety socket 4mm for Input/Output

**INDUSTRIAL SOCKET BLOCK-2 Order Code - 69752**

- 1 5 Pin Socket 2nos.
- 2 1 Way 2 Terminal 10A Switch 2nos.
- 3 3 Phase Industrial socket 2 Nos. 16A
- 4 Shrouded safety socket 4mm for Input/Output

**MCB BLOCK - 1  
Order Code - 69753**

- 1 MCB 32 Amp 3Phase 3 Pole 3nos.
- 2 Shrouded safety socket 4mm for Input/Output

**MCB BLOCK - 2  
Order Code - 69754**

- 1 MCB 32Amp 3 Phase 3 Pole
- 2 ELCB 16Amp 1 Phase 1 Pole
- 3 MCB 6 Amp 1Phase 1 Pole 4nos.
- 4 Shrouded safety socket 4mm for Input/Output

**MCCB BLOCK PANEL  
Order Code - 69755**

1. MCCB Three phase 160Amp
2. Shrouded safety socket 4mm for Input/Output

**1 PHASE KWH METER BLOCK  
Order Code - 69756**

- 1 1 Phase Energy Meter
- 2 Shrouded safety socket 4mm for Input/Output

**3 PHASE KWH METER BLOCK  
Order Code - 69757**

- 1 3 Phase Energy Meter
- 2 Shrouded safety socket 4mm for Input/Output

**3 PHASE FUSE BLOCK  
Order Code - 69758**

- 1 Cermic Fuse Holder 3nos.
- 2 Current Transformer
- 3 3 Phase Bus bar 5nos.
- 4 Shrouded safety socket 4mm for Input/Output

**3 PHASE POWER SUPPLY BLOCK  
Order Code - 69759**

1. MCB 3 Pole 10Amp.
2. Pilot lamps for indication R, Y, B phases
3. Contractor 9Amp, 230 VAC
4. Push button start, stop switch
5. Shrouded safety socket 4mm for output

**AMMETER & VOLTMETER BLOCK  
Order Code - 69760**

- 1 Analog Current Meter AC Size 72 x 72mm with Reverse, off and Forward Cam Switch
- 2 Analog Voltmeter AC Size 72 x 72mm with Reverse, off and Forward Cam Switch
- 3 Shrouded safety socket 4mm for Input/Output

**LAMP LOAD BLOCK  
Order Code - 69761**

- 1 Incandescent Lamp Holder 3nos.
- 2 40W/230V Incandescent Lamps 3nos.
- 3 Shrouded safety socket 4mm for Input

**3 PHASE MULTIFUNCTION METER AND EMERGENCY SWITCH BLOCK  
Order Code - 69762**

1. 3 Phase Multifunction Meter and
2. V, A, Hz, Pf, KVA, KW, KWH
3. LED Display, 3 Phase, 4 Wire Aux Supply 230V, 45-65 Hz, 5W, CT Input 5A
4. Emergency switch 2nos.
5. Shrouded safety socket 4mm for Input/Output

**Aluminum Industrial Installation Trainer Rack -Order Code - 69700**

Aluminium trainer rack madeup aluminium profile size 40×40mm, foldable and light in weight 10 panel setup can be interchange conveniently to perform experiments. Dimension Length 1100×Height 1000 × Depth 350mm.

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