



1. System Overview

The Switchgear & Protection Trainer is designed to provide hands-on training in the operation, testing, and fault analysis of electrical switchgear and protection systems. The unit incorporates industrial-grade components and a structured control board to simulate real-world protection scenarios in three-phase power systems.

2. Electrical Specifications

- **Power Supply**
 - Rated Input Voltage: **380 V AC**, Three-Phase, 4-Wire
 - Rated Output Voltage: **380 V AC**, Three-Phase, 4-Wire

3. Control & Measurement Board Components

- **Three-Phase Energy Meter:** 1 unit
- **Bus Bars:** 4 units
- **Circuit Breakers:** 3 units (10 A)
- **Cartridge Fuses:** 3 units (10 A)
- **HRC Fuses:** 3 units (16 A)
- **Thermal Overload Relay:** 1 unit
- **Phase Fault Relay:** 1 unit
- **Digital Timers:** 2 units

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- **Magnetic Contactors:** 3 units
- **Selector Switches:** 2 units
- **General-Purpose Relays:** 2 units
- **Additional Features:**
 - 4 mm Safety Jack Connection Ports
 - Short-Circuit Protection Provisions
 - Single-Phase AC Load Connection Facility (Power Socket)

4. Mechanical Specifications

- **Overall Dimensions:**
 - Length: **5 ft**
 - Width: **1.5 ft**
 - Height: **2.5 ft**

5. Accessories Included

- Training Manual: 1 set
- 4 mm Safety Banana Plug Set: 1 set
- Three-Phase Induction Motor (Star-Delta), 2 HP: 1 pc
- Three-Phase Variac: 1 unit

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