



# Transformer, Motor Maintenance and Detection Trainer



## Equipment Overview

- This trainer is designed with three phase AC adjustable power supply, DC power supply and AC/DC measuring meters. Meanwhile, dedicated disassembling tools are adopted such as motor wire embedding tools, hand operated digital winding machine, etc.
- It is ideal for students to conduct training of single phase transformer, single phase motor and three phase motor, including disassembly, rewind, assembly, short-circuit test, no-load test, breakdown maintenance, etc.

## Technical Parameters

1. Working power supply: Three phase five-wire AC 380V  $\pm 5\%$ , 50Hz
2. Safety protection: Leakage protection (action current  $\leq 30\text{mA}$ ), overcurrent protection, fuse protection.
3. Rated power:  $\leq 1.1\text{KW}$
3. Environment temperature:  $-10^\circ\text{C} \sim +40^\circ\text{C}$
4. Dimension: 1500mm $\times$ 750mm $\times$ 1400mm (approx.)
5. Relative humidity:  $\leq 90\%$  ( $25^\circ\text{C}$ )

## Training Content

- Single phase transformer maintenance and test
- Single phase motor maintenance and test
- Three phase asynchronous motor maintenance and test
- DC motor maintenance and test

### Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

## Motor and Transformer



1. Transformer (220V without dipping paint)
2. Single phase motor (220V, 180W without dipping paint)
3. Three phase motor (180W without dipping paint)
4. Separately excited DC motor (220V, 180W)

## Tools



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1. Digital multimeter
2. Wire stripper & Nipper pliers
3. Hand operated winding machine
4. AC dielectric strength tester
5. Monkey wrench & Wooden mallet
6. Elbow scissor
7. Tramegger (500V, 500MΩ)
8. Marking-off plate & Tension disc