

Electrician Training Workbench for Electrical Labs

This electrician training workbench is designed for educational purposes in electrical laboratories. It provides a comprehensive platform for students to learn and practice electrical wiring, circuit design, and troubleshooting skills.



Overview



A comprehensive teaching platform for electrical engineering, featuring modular components and integrated measurement instruments.

Professional Electrical Training Solution

The AF006E Electrician Training Workbench is a double-sided educational platform designed for simultaneous use by two students in electrical laboratory environments. Constructed with a durable aluminum frame and high-precision CNC-machined stainless steel patch boards, it provides a robust and rust-resistant surface for intensive technical training. This versatile system supports a wide range of curriculum needs, from basic electrical skills to advanced automation circuit demonstrations and technical evaluations.

Technical Specifications

Input Power Requirements

- Three-phase five-wire system
- AC 380V $\pm 10\%$ (50Hz)
- Single-phase AC 220V $\pm 10\%$ (50Hz)

DC Power Supply

30 V

Max DC Voltage

3 A

Max DC Current

DC Power Features

Piecewise Adjustable, Digital Display, Short Circuit Protection, Soft Recovery, Sound & Light Alarm

Construction & Design



Close-up of the workstation setup including control panels and wiring areas designed for hands-on student practice.

Frame Material	Industrial aluminum structure with Dutch powder spray finish
Patch Board Specifications	SU304 Stainless steel with 5x10mm square installation holes
Worktop Thickness	25 mm

Safety & Mobility

Safety Systems

- Emergency stop button
- Breaker controller
- Safety electrical cables
- Insulated power box with anodic oxidation treatment
- Safety-shuttered sockets

Mobility Features	4 Universal wheels (2 equipped with brakes)
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Components

Storage and Hardware

Component	Quantity
Stainless Patch Boards	2 Pieces
Installation Seats & Bolts	600 Pairs
Guide Rail Drawers	2 Units
Push & Plug Cabinet	1 Unit
Aluminum Columns	2 Long, 2 Short

Applications

Training Scope

Basic Electrical Skills • Automation Circuits • Technical Evaluations • Circuit Analysis • Industrial Installation