

Product Name :
TVET Electrotechnics Theory Electric Traction Trainer

Product Code :
NLAB-EDUCATIONTVET26001



Description :

TVET Electrotechnics Theory Electric Traction Trainer

Technical Specification :

Applicable to the teaching of "Basic Theory of Electrical Engineering" and "Electrical Technology". Thanks to its good expansion capabilities, the trainer can be extended to other training content such as "Programmable Logic Controller Technology" and "Motor Variable Frequency Control".

The front panel of the hanging test board is drawn with schematic diagrams and symbols, and the other side is welded with related parts. Components that need to be measured or observed use a locking connector. The experimental circuit adopts the unit circuit mode design. Each unit circuit is based on the basic circuit. By connecting different components or combining different circuits, students can practice various training contents on the trainer.

Input power: three-phase five-wire system 380V \pm 10% 60Hz

Dimensions: 1600mm x 800mm x 1500mm

Machine capacity: <2KVA

Weight: <250kg

Working conditions: ambient temperature -10 ° C ~ +40 ° C Relative humidity <85% (25 ° C)

Experiment list

Electrician basic electric drag part

The use of basic electrical instruments and the calculation of measurement errors

Method for reducing the measurement error of the meter

Ohm's law

Instrument Range Extension

Mapping of volt-ampere characteristics of linear and nonlinear circuit components

Determination of potential and voltage and drawing of circuit potential map

Verification of Kirchhoff's Law

Verification of the superposition principle

Equivalent transformation of voltage source and current source

Verification of Thevenin's Theorem

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