

Induction Motor Winding Trainer

ZT/IMT-2215



Product overview

Induction motor winding training equipment is composed of three-phase induction motor, circuit control part, instrument detection part and other basic parts. The control panel is carved with aluminum oxide plate, the component identification is printed on the panel with clear silk screen; the component is embedded on the front panel, all wiring is led to the 4mm safety test terminal, and the laboratory is connected with K4 banana head safety test line; the equipment platform is built with profiles, and the bottom pulley is convenient for the movement and placement of the equipment.

Functional features

- ✦ The design is reasonable, the use is simple and convenient; the equipment is small and easy to move.
- ✦ The lead out terminals of the motor are connected to the safety terminals, which is convenient for wiring and safe for use.
- ✦ All the components are silk screen printed on the front panel, intuitive and generous.
- ✦ The equipment is equipped with leakage protection, emergency stop, overload, overcurrent and other multiple personal safety protection.

Technical parameters

- ✦ Input voltage: three phase five wire system 380V \pm 10% 50Hz Three phase adjustable power supply ac0-420v, 1.5kw
- ✦ Working environment: the ambient temperature range is - 5 ~ 40 °C
- ✦ Total power control: with leakage protection function, when the leakage current reaches 30mA, the protection device will act.

Main equipment configuration:

- ✦ Workbench : It is made of industrial aluminum profile, and the front panel is carved with alumina plate
- ✦ Electrical control part : Including power supply part, main circuit part and control part.The power supply consists of circuit breaker, emergency stop and fuse.The main circuit is composed of AC contactor and thermal relay, and the control circuit is composed of button, indicator light and voltage regulating output.
- ✦ Instrument detection part : AC voltmeters, AC ammeters and power meter are provided
- ✦ Three phase induction motor : Voltage: AC380V Power: 0.75kw Speed: 1400R / M
- ✦ Motor direct starter : Input AC380V, output AC380V, power less than 2.2kW
- ✦ Motor set : It is composed of motor base, encoder and tachometer
- ✦ Test line : K4

Practical training that can be completed

- ✦ Direct starting of three phase asynchronous motor
- ✦ Starting of three phase asynchronous motor starter
- ✦ Self locking starting of three phase asynchronous motor
- ✦ Forward and reverse control of three phase induction motor
- ✦ Experiment on speed regulation of three phase asynchronous motor by voltage regulator
- ✦ Star delta conversion experiment of three phase asynchronous motor
- ✦ Experiment on start stop control of three phase asynchronous motor in different places
- ✦ Electrical parameter measurement.