

ATP 300B - 3M - 3T | THREE PHASE MOTOR TRAINER



The three phase motor trainer includes all the necessary components for the study of a three phase motor .

The trainer is composed of :

ATP 3M

➤ A three phase 350 Watt motor mounted on a base with an integrated panel for all the necessary electrical connections and an integrated disk as an indication of the change of the rotation direction both protected by a transparent cover.

ATP 300B

➤ A control unit deployed on a panel placed in a metal case that has imprinted the electrical diagrams of the circuits and the components.

ATP 3T

➤ A three phase power supply unit with an EMERGENCY STOP switch.

All the components are of excellent quality and safety certified by the international quality standards while every connection is made through safety sockets.

The trainer includes all the necessary safety connection cables, with a double layer cable and insulated banana type tips that permit the students to make all the necessary connections without coming in touch with the high electric voltage.

With the three phase motor unit one can make the following experiments :

- Automated start of a three phase motor with a short-circuit rotor .
- Automated change of rotation direction of an asynchronous three phase motor with a short-circuit rotor .

For expanding the trainer and for realizing other experiments as well one can further obtain the following components :

- **ATP 300A-3M** : One ATP 300A unit and one ATP3M motor, for executing the experiment :
 - Electrical and mechanical latching of electric motors
- **ATP 300B-105** : One ATP 300B unit and one Delay on – Delay off ATP 105 panel, for executing the experiment : - Automated Wye – Delta (Y – Δ) starter
- **300A – B – 3M2** : One panel ATP 300A panel, one ATP 300B panel and 2 ATP 3M motors, for executing the experiment : - Automated 3 conveyor belts system