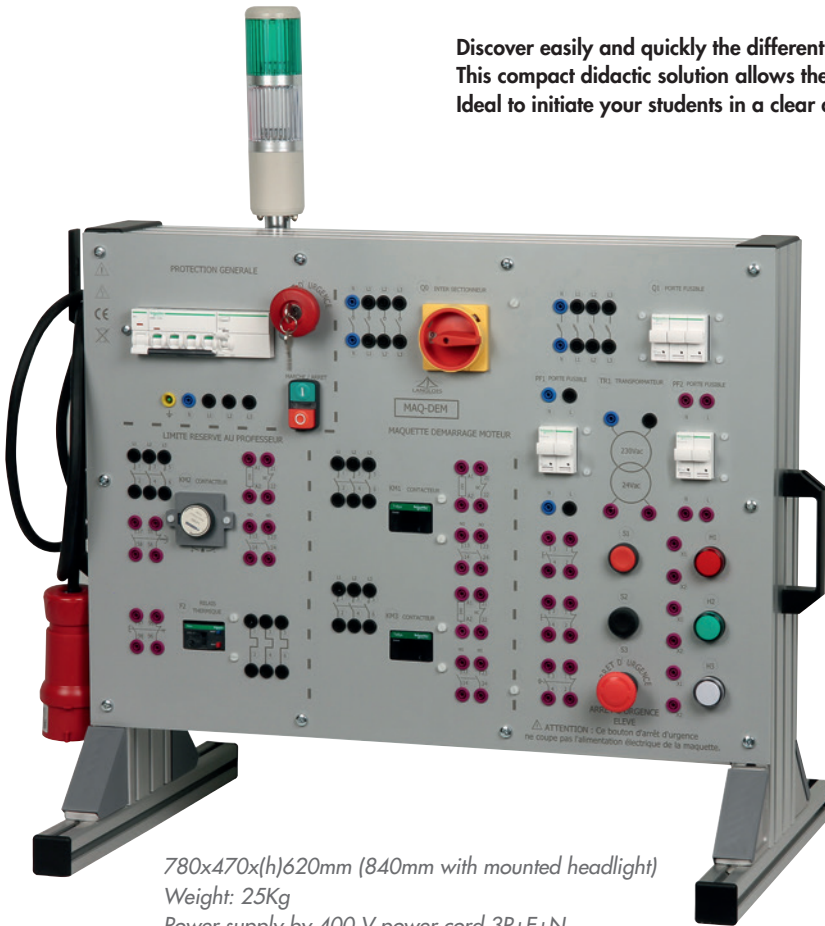


STUDY OF SIMPLE STARTING OF ASYNCHRONOUS MOTORS

Discover easily and quickly the different configurations of asynchronous motor starts with this simple and intuitive model. This compact didactic solution allows the acquisition and validation of skills in a simple environment. Ideal to initiate your students in a clear and fast way!



780x470x(h)620mm (840mm with mounted headlight)
Weight: 25Kg
Power supply by 400 V power cord 3P+E+N

This model is composed of control devices and actuators allowing the study and the realization of the main starting diagrams of asynchronous motors:

- direct start
- star/delta starting

Component identification information and other technical characteristics are screen-printed on the faces.

Wiring in flying leads on 4mm terminals (cords supplied).

System protected by differential circuit breaker and emergency stop.

The model must be connected to a 400/690V three-phase asynchronous motor (optional) to operate and be able to carry out all the practical work.

ref. MAQ-DEM

DELIVERED
WIRED AND SET

TEACHING RESSOURCES
STUDENTS / TEACHER

EDUCATIONAL OBJECTIVES

- Understand the different starting modes of an asynchronous motor
- Know the role and identify the different elements of electrical protection

Possible Practical work

- Study of the direct start operation in star/triangle coupling
- Identification and configuration of different components
- Realization of the electrical diagram in accordance with the starting mode
- Wiring of the various components.
- Study of the positioning of the thermal relay on a star/delta start
- Recording of motor characteristics, U and I measurement

COMPOSITION

- 1 four-pole circuit breaker with differential unit and undervoltage coil
- 1 general emergency stop
- 1 general on/off
- 1 four-pole disconnector
- 1 four-pole fuse holder
- 1 thermal relay with its support sized for use with a 300W motor
- 3 power contactors 25A 24VAC coil
- 1 block of delayed auxiliary contacts work 1 to 30s
- 1 single-phase 230V/24V-5A transformer for the control circuit
- 2 bipolar fuse holders
- 3 24Vac indicator lights
- 2 NO / NC push buttons
- 1 "pupil" emergency stop
- 1 light column with 2 indicator lights

MOTOR-FAN OPTION

- Three-phase fan motor 400/690V of 300W.
- Rated speed 1500rpm
- Power supply by 4mm double-well safety terminals

ref. KT-1M

Protective grid disassembled for the photo needs

