

13.1 -AC/DC ELECTRICAL MACHINES KIT (ELV)

Dissectible System Trainer Kit for Electrical Machines AC/DC - Extra-low voltage (ELV)

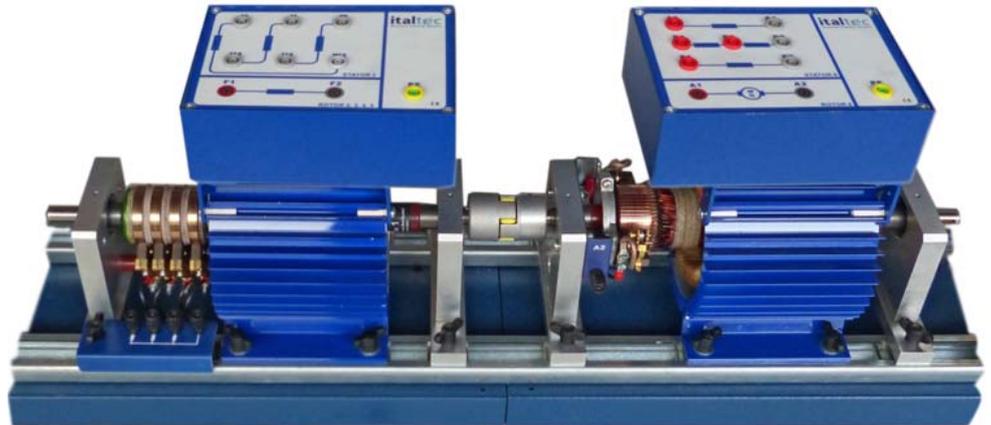
The system includes all the equipment required to perform the full range of student assignments.

It provides a hands-on approach to the understanding of electrical machines principles.

Designed for training technician and undergraduate engineers.

The interconnection of the windings on to a didactic terminal box provides a visual understanding of the coil of the various electrical machines and their functions.

- Safety terminal connections



- Users can see the position of the brushes and their movement.
- Powered by 48 volt.
- Possibility for studying of different motors & generator

MOD.1002-AC

AC Machines:

- Single-phase motor with capacitors
- 2-pole star connection three-phase motor
- Star-delta three-phase asynchronous motor
- Three-phase slip-ring motor
- Synchronous three-phase motor
- Three-phase alternator
- ST2 Alternating current stator.
- RT2 Two Rings Wound Rotor
- RT3 Two Salient-Pole Rotor
- RT4 Two Pole Permanent Magnet Rotor
- RT5 Slip ring rotor for functioning as motor & alternator.
- Three brushes for the slip-ring motor.
- One rotating brush holder.

- One brush holder mount.
- Half coupling.
- Base with rails for two machines.
- Two bearings for supporting the motor shaft.



- Power supply ca/cc; ca variable 0-50V 10A
cc variable 0-60V 10A

MOD.1002-DC

- Base with rails for two machines.
- A direct current stator.
- Two bearings for supporting the motor shaft.
- DC shunt motor/ motor with commutating poles
- DC series motor/ motor with commutating poles
- Shunt compound generator
- Shunt compound generator with commutating poles
- Separately excited shunt motor

- Series generator with commutating poles.
- Separately excited series source rotor generator
- Separately excited series source stator generator
- Self-excited shunt compound generator
- An armature
- Half coupling.
- Power supply ca/cc; ca variable 0-50V 10A
cc variable 0-60V 10A

