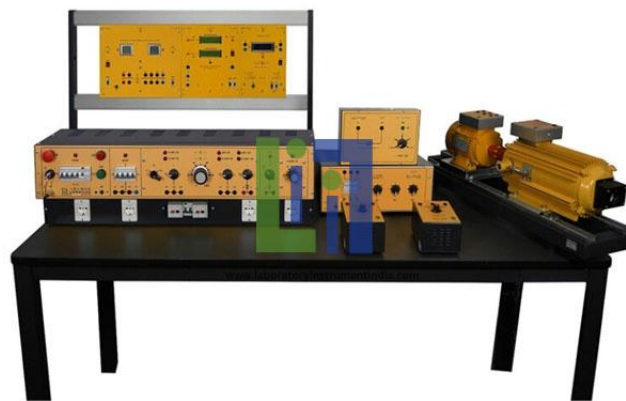




Email : sales@laboratoryinstrumentindia.com

Product Name :
Bench For The Study Of Direct Current Machines

Product Code :
LBNY-0005-1050003



Description :

The DC motors are used in a wide variety of industrial drives, such as robots, machine tools, oil drilling rigs, mining, automotive systems, etc. On the other hand, DC generators are still in use in some power generating plants. The real difference between DC motor and DC generator is the direction of power flow. All the DC machines have a reversible behavior: they are motors up to a frequency that is characteristic of the construction parameters and is said synchronism frequency, beyond which they behave as generators. The electric machines bench has been designed to satisfy the following basic requirements:

The plan activities

The economic advantage

The number of groups of students who must work simultaneously

Their speed can be easily adjusted in very fine increments ranging from standstill to rated speed and even above and their construction is made rather complex than their AC counterparts by the fact that they need a commutator, which reverses the direction of current and fluxes to produce a net torque. The DC machines are driven from a DC power supply and they are the most versatile of all rotating electrical machines.

Technical Specification :

The characteristic key of this bench is its total modularity which means:

To configure complete solutions without creating duplication of equipment

To couple each motor with the electromagnetic brake

To be able to buy the bare essentials

To couple each generator with the prime mover.



Laboratory Instrument India