New

Universal Motor Training System is an important and attractive training system for electrical laboratories. It provides complete learning contents and students can easily understand the fundamental concepts of Universal Motor. Universal Motor is majorly used in applications where high speed and low torque is required such as in grinders, portable drill machines, blowers and kitchen appliances.

Features

- Stand alone operation.
- Control board consists of high grade FRP material to provide utmost safety to the users.
- Standard BS terminals, patch cords for safety purpose.
- High quality meters are used.
- Machine with Class 'F' insulation.
- Standard mechanical loading arrangement.
- Terminals provided to use the optional devices externally.
- Designed by considering all the safety standards.
- Diagrammatic representation for the ease of connections.
- Rich learning material.

Scope of Learning

- Study of Universal Motor in DC configurations and its characteristics.
- Study of Universal Motor in AC configurations and its characteristics.

Technical Specifications

Mains Supply	:	Single Phase, 230V ±10%, 50Hz

Single Phase Machine

Type	:	Universal Motor
Rating	:	1HP
Voltage rating	:	230VDC & AC ± 10%
Rated speed	:	1500RPM ± 10%
Insulation	:	Class 'F'
Loading arrangement	:	Mechanical
Brake drum/pulley	:	Aluminum Casted
Digital tachometer	:	20,000 rpm

Digital meters used

DC Voltmeter	:	300V
DC Ammeter	:	10A
AC Voltmeter	:	500V
AC Ammeter	:	10A
MCB	:	10A

Optional

Single Phase Variac	:	10A
DC Power Supply	:	230VDC ± 10%, 12A

Subject to change - Version 2.0