

Product Name :
Alternators for Electrical Lab

Product Code :
ADM-018-NE



Description :

Alternators for Electrical Lab for Electric Motors Teaching Labs - Alternators are the Power Generation Devices, converting mechanical energy into Electrical Energy, The electricity provided by our utilities is from some Power Generation center where an Heavy Alternator is the device producing Electricity. Alternators have a design with wound rotor & wound stator, Alternators available are with slipring holders & also Brushless types. Students can make connections of their own with the help of the terminations provided for study of features viz Single phase generation, 3Phase Generation, Regulation with change in Load, Effect of change of speed on output voltage, Effects of Field voltage excitation change.

Technical Specs :

Power ratings available :

350W / 750W / 1KW / 2 KW / 3KW/ 5KW

Voltage output: 220/440V AC

Separate/Self Excitation : 220V DC

RPM: 1500 / 3000 RPM

Single / Double shaft extension, SPDP, IP23, IC01, B3, Class-B, S1, Solid yoke

List Of Experiments :

Regulation of Alternator

Effect of change of Speed on Output voltage

Change of Voltage with Excitation control

Voltage-Speed Analysis

Efficiency Analysis

Cold Resistance & Hot Resistance

Alternator parameters

Basic Overhauling Know how

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