

Product Name :
DC Dynamometer For Motor Testing (Electrical Lab)

Product Code :
ADM-012-NE



Description :

DC Dynamometer For Motor Testing for Electric Motors Teaching Labs (Electrical Lab) - This Model is an educational model suitable for demonstrating to students the complete know of the Basics, Components, Mechanicals, Loading methods, Torque evaluation, Loading scheme, Wear & Tear & Maintenance of these motors packaged in small rating. Students can make connections of their own with the help of the terminations provided for study of features viz Coupling the motor to be tested, Starting methods, Speed-Torque, Excitation control of Dynamometer, Power dissipation of Generator, Torque measurement.

Technical Specs :

Power ratings available : 1KW / 2KW/ 5KW/ 10KW

Voltage Input: 230V DC

RPM: 1440 / 2880 RPM

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

List Of Experiments :

Load testing of AC Motor

Load testing of DC Motor

Torque calculation at various rpm

Speed-Torque Analysis

Voltage-Speed Analysis

Speed reversal

Efficiency Analysis

Blocked rotor test

Cold Resistance & Hot Resistance

Motor Operation parameters

Basic Overhauling Know how

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