



ELECTRICAL CIRCUITS & MEASURING INSTRUMENTS LAB

1. Verification of Ohm's Law and limitations of Ohm's law
2. Verification of Kirchhoff's Voltage law and current Law
3. Verification of Super position theorem
4. Verification of Thevenin's theorem
5. Verification of Maximum Power Transfer theorem
6. Calibration of dynamometer type of watt meter
7. Calibration of single phase induction type energy meter
8. Determination of Q-factor and Power factor of an Inductive coil
9. Determination of Idle & Energy components of current in a single phase inductive circuit
10. Measurement of power in single phase circuit by 3-Voltmeter method
11. Measurement of power in single phase circuit by 3-Ammeter method
12. Measurement of power in three phase balanced circuit by 2-Wattmeter method