

Electrical Measurements Lab

List of Experiments

1. Calibration and Testing of single phase energy Meter
2. Calibration of dynamometer power factor meter
3. Measurement of % ratio error and phase angle of given C.T. by comparison.
4. Schering Bridge & Anderson Bridge.
5. Measurements of 3 phase reactive power with single-phase wattmeter.
6. Measurement of parameters of a choke coil using 3 voltmeter and 3 ammeter methods.
7. Measurement of 3 phase power with single watt meter and 2 No's of C.T.
8. LVDT and capacitance pickup – characteristics and Calibration
9. PT Testing by Comparison – VG as Null Detector - Measurement of ratio error and phase angle of the given PT.
10. Resistance strain gauge – Strain measurements and calibrations.
11. Calibration LPF wattmeter – by Phantom testing
12. Dielectric oil testing using H.T. testing Kit
13. CT Testing using Mutual Inductor – Measurement of ratio error and phase angle of the given CT by Null Method.
14. Transformer turns ratio measurement using AC Bridge.