



# Measurement of percentage ratio error and phase angle of CT by comparison method testing system

## Nvis 8020

Measurement of percentage ratio error and phase angle of given CT by comparison method is designed to explore the measurement techniques used in electrical meters for measurement of voltage, current, power etc. Current Transformer (CT) is used to sense current from a transmission line. The various parameters that affect the current sensing using CT are primary and secondary winding turns, gauge of wire and type of core.

CT is provided on panel so that students can change the turns in primary winding and measure the corresponding changes in secondary winding and change in measurement. Protection circuit is inbuilt.

### Technical specifications

- Standard CTs of different ratio.
- CTs under test of various ratio.
- 1 phase auto transformer - 8 Amp.
- Phase shifting transformer - 1no.
- Current transformer of different current ratio (standard).
- Digital Voltmeter - 500 Volt AC - 01 no.
- Digital Ammeter - 20 Amp AC - 2 no.
- Analog Panel mounted wattmeter (0-250V, 5 Amp) - 2 nos.
- MCB Protection
- Panel size 2ft (height) x 4 ft (width) x 200mm (depth).
- Neon Indications - LED.
- Terminals BTI – 30.