



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

## Nvis 8021

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

PT 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 PTs of different ratio.
- 1 phase auto transformer - 4 Amp.
- Potential Transformer of different voltage ratio (standard).
- Phase shifting transformer.
- Digital Voltmeter - 500 Volts AC - 02 no.
- Analog panel mount wattmeter (0-250V, 0.5 Amps) - 2 nos.
- MCB protection
- Panel size 2ft (height) x 4 ft (width) x 200mm (depth).
- Neon indications - LED.
- Terminals BTI – 30.