

55832 Experimental Set-Up has been designed specifically to Calibrate Wattmeter using DC potentiometer (Crompton Potentiometer). The set up consists of Crompton Potentiometer, Digital Electronic Standard Cell, DC Null Detector, Potentiometer Power Supply Variable Fixed Power Supply, Volt Ratio Box with DPDT Switch, Wattmeter & Standard Resistance.

The set-up is complete in all respects and requires no other apparatus. Practical experience on this set-up carries great educative value for Science and Engineering Students.

OBJECT

Calibration of Wattmeter using DC Potentiometer (Crompton Potentiometer)

FEATURES

The complete experimental Set-up consists of :

- 01 Crompton Potentiometer
- 02 Digital Electronic Standard Cell OMEGA TYPE DEC - 605
- 03 Digital Electronic DC Null Detector OMEGA TYPE DND - 023
- 04 Potentiometer Power Supply : (2V/4V at 2Amp.) This gives fixed IC regulated outputs 2 and 4 Volt DC at Amp. with over load and short circuit protection. OMEGA TYPE PPS-4/2
- 05 Power Supply for Calibration of Wattmeter Using Crompton Potentiometer (0 - 300 DC at 20 mA, Fixed 1V5 at 5Amp.)
- 06 Volt Ratio Box with DPDT Switch.
- 07 Moving Iron AC portable Wattmeter : Housed in bakelite case with knife edge pointer & anti parallax mirror scale of (Dynamometer type) 140mm length, spring controlled movement, having accuracy class 1.0. Single phase, multirange, current coil 5/10Amp. Potential coil 75/150/300 Volt.
- 08 Standard Resistance Box OMEGA TYPE FR - 105 .2E 10 WATT.
 - Weight : 9 Kg. (Approx.)
 - Dimension : W 290 x H 160 x D 230
 - The unit is operative on 230 V at 50Hz AC Mains.
 - Adequate no. of patch cords stackable 4 mm spring loaded plug length ½ metre.
 - Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - Strongly supported

Note: Specifications are subject to change.

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