



OMEGA TYPE ES-332 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

01 Calibration of Wattmeter using DC Potentiometer (Crompton Potentiometer)

FEATURES

The complete experimental Set-up consists of:

01. Crompton Potentiometer
02. Digital Electronic Standard Cell
OMEGATYPE DEC - 605
03. Digital Electronic DC Null Detector
OMEGATYPE DND - 023
04. Potentiometer Power Supply :
OMEGA TYPE PPS-4/2 This gives fixed IC regulated outputs 2 and 4 Volt DC at 2 Amp. with over load and short circuit protection.

05 Power Supply for Calibration of Wattmeter Using Crompton Potentiometer (0 - 300 DC at 20 mA, Fixed 1V5 at 5Amp.) OMEGA TYPE ES - 332

06 Volt Ratio Box with DPDT Switch.

07 Moving Iron AC portable Wattmeter (Dynamometer type): Housed in bakelite case with knife edge pointer & anti parallax mirror scale of 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

OMEGATYPE FR - 105 0.2E 10 WATT.

09 Standard Resistance Box

OMEGATYPE FR - 105 0.5E 10 WATT.

10 The unit is operative on 230VAC $\pm 10\%$ at 50Hz.

11 Adequate no. of patch cords stackable 4mm spring loaded plug length 50cm.

12 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

13 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

14 Weight : 9 Kg. (Approx.)

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS