

Chapter:8

(Electrostatic Voltmeter)

Lecture:1

What is electrostatic type voltmeter?

- An electrostatic instrument is basically a voltmeter that works on the principle of static electric field. They are used for voltage measurement (especially for high voltages) but can also be used for measuring current and power with the additional arrangement.

Types of electrostatic type voltmeter:

- There are three types of electrostatic voltmeters:
- (i) Attracted disc type: usual range from 500 V to 500 kV.
- (ii) Quadrant type: usual range from 250 V to 10 kV.
- (iii) Multicellular type: usual range from 30 V to 300 V