

Digital Voltmeter:-

A digital voltmeter (DVM) displays the value of a.c. (or) d.c. voltage being measured directly as discrete numerals in the decimal number system.

Numerical readout of DVM's is advantageous since it eliminates observational errors committed by operator.

A digital voltmeter is a versatile and accurate voltmeter which has many laboratory applications.

Types of DVM's:-

The increasing popularity of DVM's has brought forth a wide number of types employing different circuits. The various types of DVM's in general are

- (i) Ramp type DVM.
- (ii) Integrating type DVM.
- (iii) potentiometric type DVM
- (iv) Successive approximation type DVM
- (v) continuous balance type DVM.