

ELECTRICAL TEST INSTRUMENTS

Cathode ray oscilloscope:-

Cathode ray tube:-

- barium and strontium oxide

- Intensity control

- time varying signal

- Channel (two channels commonly)

- single-ended input

 - input+ ground terminal

- different input

 - expensive oscilloscopes

 - two-input terminals + one ground terminal for each channel

- Timebase circuit

 - horizontal deflector plates

 - Time/div

 - trigger level

 - internal triggering

 - external triggering

 - line triggering

- vertical sensitivity control

 - series of attenuators and pre-amplifiers

 - volts/div

- Display position control

Digital storage oscilloscopes :-

- signal converted to digital format

- non-fading display

- individual dots

- speed of sampling

- peak,mean and rms values

- Storage capacity