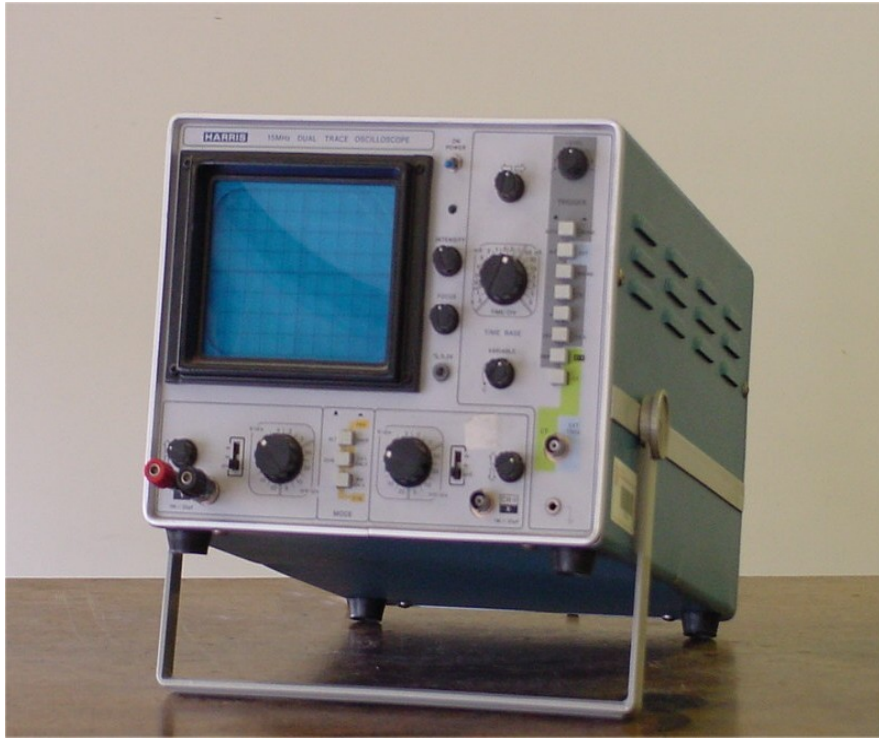


Section-A

CATHODE RAY OSCILLOSCOPE

CATHODE RAY OSCILLOSCOPE



CONNECTORS AND CABLES



BNC Cables



BNC Connector



N type Connector
-For RF signal
-Capable of carrying
microwave signal


INTRODUCTION

- ▶ CATHODE RAY OSCILLOSCOPE IS THE MOST VERSATILE TOOL FOR THE DEVELOPMENT OF ELECTRONIC CIRCUITS AND SYSTEMS.
- ▶ THE CRO DEPENDS ON THE MOVEMENT OF AN ELECTRON BEAM WHICH IS DEFLECTED ON THE X AND Y AXIS.

CONTD....

- **OSCILLOSCOPE CAN BE USED IN ANY FIELD WHERE A PARAMETER CAN BE CONVERTED INTO A PROPORTIONAL VOLTAGE FOR OBSERVATION.**
- **CRO ALLOWS THE AMPLITUDE OF ELECTRICAL SIGNALS(CURRENT, VOLTAGE, POWER)TO BE DISPLAYED AS A FUNCTION OF TIME.**


PARTS OF CRO

- ▶ AN OSCILLOSCOPE CONSISTS OF TWO PARTS-
 - ▶ CATHODE RAY TUBE
 - ▶ CONTROL AND INPUT CIRCUITRY
- 

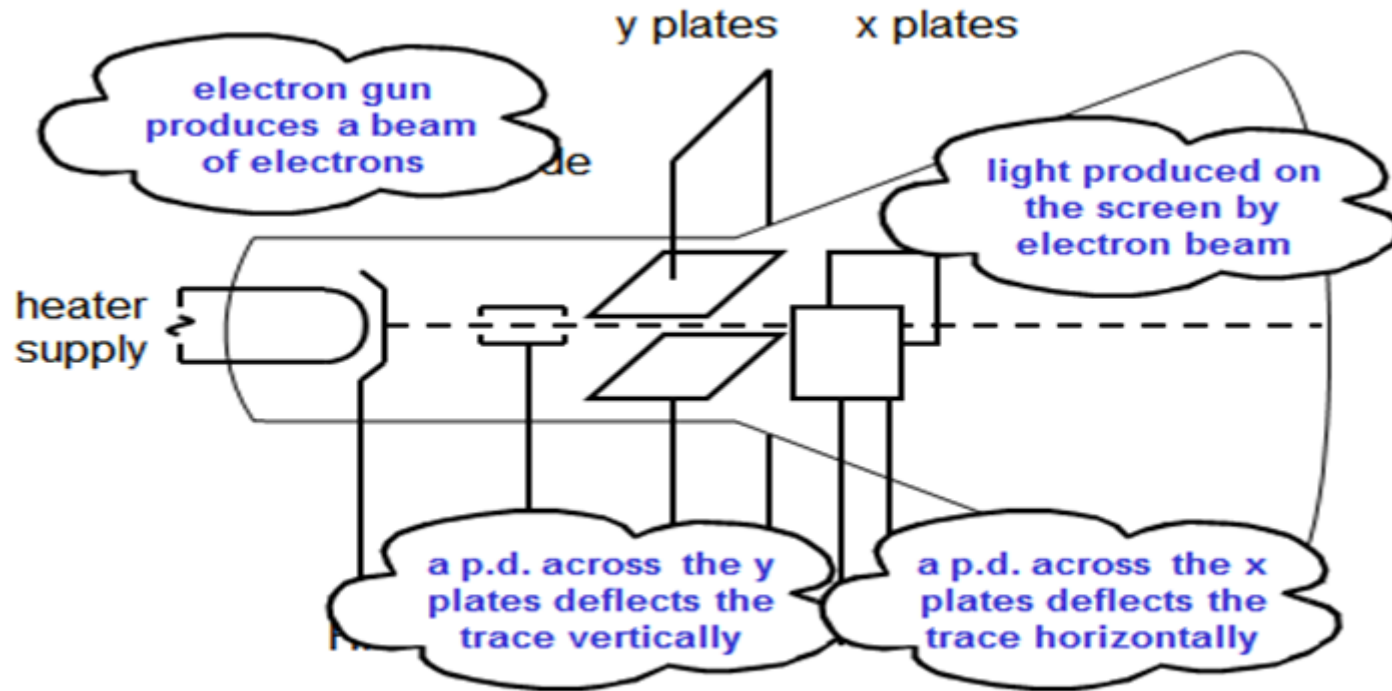
CATHODE RAY TUBE

- ▶ CATHODE RAY TUBE IS THE HEART OF THE OSCILLOSCOPE.
- ▶ THE CRT MAKES THE APPLIED SIGNAL VISIBLE BY THE DEFLECTION OF A THIN BEAM OF ELECTRONS.

Cathode Ray Tube(CRT)

- ▶ MAIN PARTS OF CRT ARE-
 - ▶ ELECTRON GUN ASSEMBLY
 - ▶ DEFLECTION PLATE ASSEMBLY
 - ▶ FLUOROSCENT SCREEN
 - ▶ GLASS ENVELOPE
 - ▶ BASE
- 

BASIC DIAGRAM OF CRT



Cathode Ray Tube(CRT)

