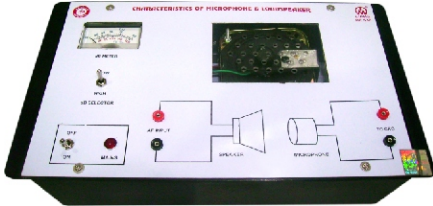


## Characteristics & Applications

### ME 536 - Microphone and Loudspeaker Characteristics Apparatus.

#### Objective :

- Characteristics of Microphone and Loudspeaker system, regarding frequency Response.



#### Technical Specifications :

##### Inbuilt Fixed DC Regulated Power Supply

- Output voltages : 9VDC

##### On Board Meter

- dB meter for sound level measurement
- Range-low : 40-80dB
- High : 80-120dB
- Accuracy : +2% (Calibrated with signal oscillator)

##### View able loud speaker and microphone system

- Loudspeaker of 8.0 ohm.
- Capacitance Microphone
- Sound Level Processing circuit board.
- High quality bakelite used as front panel of 270mm x 170 mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on bakelite Front Panel & all important test Points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5 Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.
- **Optional Accessories :**
- AF Function Generator (ME 250).
- Cathode Ray Oscilloscope 30MHz (ME 3030).

### ME 537 - Tunnel Diode Characteristics Apparatus

#### Objective :

To Plot V-I Characteristic & Resistance Characteristic of Tunnel Diode in Forward Bias



#### Technical Specifications :

##### Inbuilt Fixed DC regulated power supply

- Output Voltage : +5VDC

#### On Board Digital Panel Meter

- Digital panel meter for measuring
- V1 : Voltage across Resistance R 3
- V2 : Voltage across Tunnel Diode

#### Potentiometer & Diode

- Potentiometer : R1 (Current control)
- Tunnel Diode : IN 3717
- High quality bakelite used as front panel of 270mm x 170mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on bakelite Front Panel & all important test Points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

### ME 539D : PN Junction Diode Characteristics Apparatus

#### Objective :

Forward & Reverse Characteristics of PN Junction Diode.



#### Technical Specifications :

- Inbuilt Variable DC regulated power supplies
- Output voltage : 0-3VDC
- : 0-30VDC

##### On Board Analog Moving Coil Meters (60 mm x 35 mm )

- Voltmeter : 0-3V /0-30V DC (Dual range)
- Ammeter : 0-100uA/0-10mA DC (dual range)

##### Switches & Diodes provided.

- SPDT : 2 Nos.
- DPDT : 1 No.
- PN Junction : OA-79 (2 Nos.)

- High quality Aluminum used as front panel of 270mm x 170mm & mounted on light weight shock proof plastic cabinet
- Symbol diagram printed on Aluminum Front Panel & all important test Points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.5 Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

##### Other Models also available

- ME 539 - PN Junction Diode Characteristics Apparatus with Bakelite Panel & Round Meters
- ME 539P - PN Junction Diode Characteristics Apparatus with Aluminum Panel & Digital Panel Meters