

## Amplifier

### ME 618 - Common Emitter Transistor Amplifier

#### Objective :

- Common Emitter Transistor Amplifier apparatus with and without Negative Feed Back has been designed to study the following:-
- A. Frequency Response/ Output Voltage Gain & Change in Critical Frequency with & without Feedback Capacitor (Miller effect).
- B. Input Impedance.
- C. Output Impedance.
- D. Effect of Negative Feed Back on Output Gain.

#### Technical Specifications :

##### Inbuilt Fixed DC Regulated Power Supply

- Output Voltages :-12VDC

##### Transistor , Potentiometer & Components Provided

- Transistor : CK-100 (PNP)
- Potentiometer : 1 Nos.
- Biasing Resistances
- Capacitors
- SPDT Switch
- High quality Aluminum used as front panel of 270 mm 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 : 1.0Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

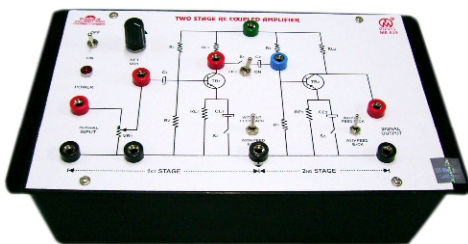
##### Optional Accessories :

- Dual Trace Cathode Ray Oscilloscope 20MHz (ME 3020)
- AF Function Generator (ME 250)

### ME 619 - Two Stage RC Coupled Amplifier

#### Objective :

- Two Stage RC Coupled Amplifier circuit has been designed to study the:  
A. Voltage Gain & Frequency response of First Stage Amplifier  
B. Voltage Gain & Frequency response of Second Stage Amplifier  
C. Voltage Gain & Frequency response of RC Coupled Amplifier  
D. Voltage Gain & Frequency response of Direct Coupled Amplifier



#### Technical Specifications :

##### Inbuilt Fixed DC Regulated Power Supply

- Output Voltages :-12VDC

##### Transistor , Potentiometer & Components Provided

- Transistor : CK-100 (PNP) 2 Nos.
- Potentiometer : 1 Nos.
- Biasing Resistances
- Capacitors
- High quality Aluminum used as front panel of 270 mm 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 : 1.0Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

##### Optional Accessories :

- Dual Trace Cathode Ray Oscilloscope 20MHz (ME 3020)
- AF Function Generator (ME 250)

### ME 619D - Two Stage RC Coupled Amplifier with builtin Sine Wave Oscillator

#### Objective :

- Two Stage RC Coupled Amplifier circuit has been designed to study the:  
A. Voltage Gain & Frequency response of First Stage Amplifier  
B. Voltage Gain & Frequency response of Second Stage Amplifier

#### Technical Specifications :

##### Inbuilt Fixed DC Regulated Power Supply

- Output Voltages :-12VDC

##### Inbuilt Sine Wave Oscillator

- Frequency range : 1Hz to 100KHz (selectable using Band switch)

##### On Board Digital AC Millivoltmeter

- Millivoltmeter : 20mV, 200mV, 2V & 20VAC
- Accuracy : + (0.5 % + 1 Digit)
- Freq. Response : upto 100 KHz

##### Transistor , Potentiometer & Components Provided

- Transistor : CK-100 (PNP) 2 Nos.
- Potentiometer : 1 Nos.
- Resistance
- Capacitors
- SPST Switch
- High quality Aluminum used as front panel of 270 mm 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 : 1.0Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

##### Standard Accessories :

- Power chord, Patch chords & Instruction manual.