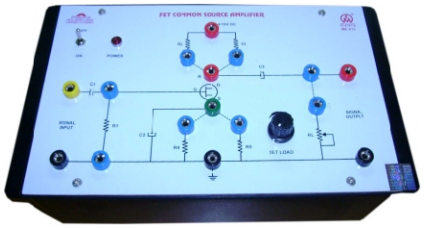
Amplifier

ME 613 - FET Common Source Amplifier

Objective :

- FET Common Source Amplifier has been designed to study the Voltage Gain, Input Impedance, Output Impedance & Frequency Response of a Common Source FET Amplifier.



Technical Specifications :

Inbuilt Fixed DC Regulated Power Supply

- Output Voltages : 15VDC

Components Provided

- **FET : BFW 10**
- 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 614 - Common Collector (Emitter Follower) Transistor Amplifier

Objective :

- Emitter Follower/ Common Collector Amplifier has been designed to study the Following

  A. Output Voltage Gain.

  B. Input Impedance.

  C. Input Power.

  D. Output Impedance.

  E. Output Power.

Technical Specifications :

Inbuilt Fixed DC Regulated Power Supply

- Output Voltages : 12VDC

Transistor , Potentiometer & Components Provided

- Transistor : CL-100 (NPN)
- 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 617 - Common Base Transistor Amplifier

Objective :

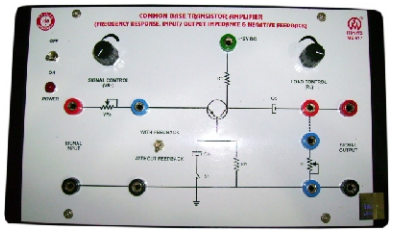
- Common Base Transistor Amplifier apparatus with and without Negative Feed Back has been designed to study the following :-

  A. Frequency Response / Output Voltage Gain.

  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 : 1 Nos
- 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)