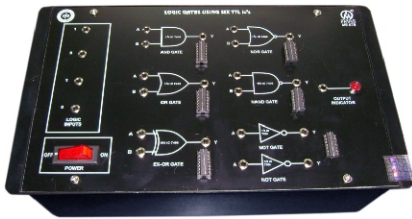


## Digital Electronics Lab Training Modules

### ME 675 - Logic Gates Using Six TTL IC's (6 in 1)

#### Objective :

- 2 input IC Basic Logic Gates Apparatus has been designed to verify the truth tables of the following Gates :
  - i) AND Gate (IC 7408)
  - ii) OR Gate (IC 7432)
  - iii) NOT Gate (IC 7404)
  - iv) EX-OR Gate (IC 7486)
  - v) NAND Gate (IC 7400)
  - vi) NOR Gate (IC 7402)
  - vii) EX-NOR Gate (EX-OR + NOT Gate)



#### Technical Specifications :

##### Inbuilt Fixed / Variable DC Regulated Power Supply

- Output Voltages : 5VDC

#### Components Provided

- Output Indicator : 1 Nos.
- Glass Epoxy PCB used as front panel of 270mm x 170mm & mounted on light Weight shock proof plastic cabinet
- Circuit diagram printed on Glass Epoxy PCB & all important IC's & test points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.0 Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

#### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

### ME 678 - RTL Logic Gates

#### Objective :

- RTL Basic Logic Gate Apparatus has been designed to verify the truth table for 'OR' Gate, 'AND' Gate, 'NOT' Gate, 'NOR' Gate, and 'NAND' Gate using RTL logic.

#### Technical Specifications :

##### Inbuilt Fixed / Variable DC Regulated Power Supply

- Output Voltages : 5VDC

#### Components Provided

- Output Indicator : 1 Nos.
- Glass Epoxy PCB used as front panel of 270mm x 170mm & mounted on light Weight shock proof plastic cabinet
- Circuit diagram printed on Glass Epoxy PCB & all important IC's & test points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.0 Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

#### Standard Accessories :

- Power chord, Patch chords & Instruction manual.

### ME 679 - Basic Logic Gates (7 IN 1)

#### Objective :

- Basic Logic Gates Apparatus has been designed to verify the truth table for 'OR' Gate, 'AND' Gate, 'NOT' Gate, 'NOR' Gate, 'NAND' Gate, 'EX-OR' Gate & 'EX-NOR' Gate using diodes & transistors.

#### Technical Specifications :

##### Inbuilt Fixed DC Regulated Power Supply

- Output Voltages : 5VDC

#### Switches & Components Provided

- SPDT Switches : 2 Nos.
- Output Indicator : 1 Nos (Red)
- Glass Epoxy PCB used as front panel of 270mm x 170mm & mounted on light Weight shock proof plastic cabinet
- Circuit diagram printed on Glass Epoxy PCB & all important IC's & test points are brought out on front panel
- Power requirement : 230 VAC 10%, 50Hz.
- Weight : 1.0 Kg Approx.
- Dimensions (mm) : 300(L) x 175(B) x 75(H)

#### Standard Accessories :

- Power chord, Patch chords & Instruction manual.