

*Welcome!*

# **Naugra Lab Equipments**

“ **Electronics Engineering Laboratory Equipments  
Manufacturers in India** ”

To know more visit at

<https://www.naugralabequipments.com/electronics-engineering-laboratory-equipments>

**[www.naugralabequipments.com](https://www.naugralabequipments.com)**



# Digital Measuring Lab Instruments

## Map Measurer

This Map Measurer is the perfect walking and navigation aid, making it easy for the end user to read maps and measure distances. Get instant distance readings on maps of all scales, with the distance shown in miles and kilometres.

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# Digital Measuring Lab Instruments

## Digital Multimeter

### Technical Specifications:

**DC Voltage:** Range: 200mV ~ 600V, Accuracy:  $\pm(0.5\% + 1\text{digit})$

**AC Voltage:** Range: 2V ~ 600V, Accuracy:  $\pm(0.8\% + 3\text{digits})$

**DC Current:** Range: 2mA ~ 10A, Accuracy:  $\pm(0.8\% + 1\text{digit})$

**AC Current:** Range: 20mA ~ 10A, Accuracy:  $\pm(1.2\% + 5\text{digits})$

**Resistance:** Range: 200 ~ 20M $\Omega$ , Accuracy:  $\pm(1.0\% + 2\text{digit})$

**Capacitance:** Range: 2nF ~ 200 $\mu$ F, Accuracy:  $\pm(4.0\% + 3\text{digits})$

**Temperature:** Range: -40 $^{\circ}$ C ~ 1000 $^{\circ}$ C, Accuracy:  $\pm(1\% + 7\text{digits})$

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# PCB Design Lab Equipments

## PCB Drilling Machine

PCB Drilling Machine is a compact tabletop high speed drilling machine with a quick change Chuck Drill holding by precision chuck with lapped jaws. Mains operated AC/DC motor Motor Speed : upto 9,000/20,000 RPM. Range : 0.8 to 3.0mm

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# PCB Design Lab Equipments

## PCB Curing Oven Machine

PCB Curing Oven Machine Tabletop unit for curing of liquid photoresist or drying of PCB's. Timer controlled system allows fast and efficient PCB curing. PCB size 10" x 12" Timers : 0-30 minutes. Temperature : 0-90 degree C.

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# Analog and Digital Lab Trainer

## Digital Trainer With Bread Board

Digital Trainer With Bread Board For Electrical Lab Training. 8 TTL Compatible Slide Switches as logic level inputs. Logic HIGH and logic LOW are displayed by dual color LED. Two crystal generated clock output of 10Hz and 1Hz. Facility for single pulse generation by push button switch. Logic probe to check logic LOW, logic HIGH and pulse. One seven segment display with BCD inputs. Bread board area having more than 1450 TIE points. Capable of accepting wire diameters from 0.3 to 0.8mm.

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# Communication Lab Trainer

## Mobile Phone Trainer (GSM)

**Mobile Phone Trainer (GSM) Cellular System:** EGSM/GSM 900  
**Rx Frequency band:** EGSM 925..960MHz GSM 900 935 .960MHz  
**Tx Frequency band:** EGSM 880 ..8790MHz GSM 90 890 915a MHz  
**Output power:** +5 +33dBm/3.2 mW .0.2W  
**Channel Spacing:** 200KHz  
**Antenna :** Loop type, 50W  
**Display:** 84x48 pixels  
**On board sections:** Antenna, Keypad, SIM, Charging Circuit Clock,  
User Interface such as Buzzer, Vibrator, LEDs.

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# Microprocessor Lab Trainer

## Monocular Microscope

Monocular Microscope Science Lab Monocular Microscope - Monocular Microscope for school labs, educational institutions & universities - We are one of the leading exporters of Monocular Microscope, We offer Monocular Microscope as per technical specification and tender requirements.

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# VLSI and Embedded Technology Lab Trainers

## FPGA Trainer Kit

### Features:

- It uses Xilinx Spartan XC2S50/XC2S100/XC2S200 FPGA with up to 50/100/200K system gates, and up to 200MHz clock speed.

- It communicates with computer through standard Webpack

- User can develop the circuit/ schematic using Xilinx standard Foundation Series Software and any development tool for VLSI design available in the world.

- It has various on-board interfaces :

1. 16x2 LCD module

2. Six Seven Segment Displays

3. Stepper Motor Controller Interface

4. 8x8 LED Matrix Display

5. EWSN Status LED's 12 Nos.

6. ADC/DAC Interface

7. RS-232 interface

8. Parallel JTAG interface

- Four Data Switches

- Switch Array

- AT24C16 Serial EEPROM

- 4x4 Keyboard

- Power Indicator LED



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# Power Electronics Lab Equipment

## Scr Characteristics

SCR Characteristics The Circuit is printed on the board, so that the students can understand the working of SCR and its Characteristics like triggering etc. Set of patch chords In-built power supply Assembled in ABS plastic cabinet with cover Set of Patch Chords & Experimental Manual.

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# Power Electronics Lab Equipment

## Mosfet Characteristics

Mosfet Characteristics Three digital meters for voltage & current measurement Mosfet mounted behind the panel \* connections of supplies, meters & fet brought out at 2mm sockets. Assembled in abs plastic cabinet with cover Inbuilt power supply Set of patch chords & experimental manual

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# Microwave Engineering Lab Equipments

## VSWR Meter

This is a microcontroller based equipment with lcd. The analog metres have multiple scales which makes the instrument very complicated for the students. The digital display of swr & db solves the problem. Since the equipment have microcontroller based digital display so there is no need of expanded scales, as it was in conventional instruments.



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# Instrumentation Control Engineering Lab Equipment

## Photo Transistor Trainer

### Technical Specification:

Photo Transistor Trainer Lab Equipments Manufacturer, Suppliers & Exporters Photo Transistor Trainer

Study of Photo Transistor trainer

Circuit diagram printed on board

Set of patch cords

Inbuilt power supply

User's Manual

**[www.naugralabequipments.com](http://www.naugralabequipments.com)**





NAUGRA<sup>®</sup>

*Thank You For Visiting*

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