

High level, high quality digital-analog trainer Includes Two Digital Meters one for 20V Voltmeter and other for 200mA Ammeter Combines all essential functions of analog and digital experiment with removable breadboard, Includes DC power supply function generator, two pulse switches, 8 ohm 0.25W speaker etc. **SPECIFICATIONS** Solder-less, breadboard Interconnected with tie points Nickel plated contact, AC voltages : 12-0-12V Power Supply : Variable DC power supply 0-20V Connection : Connecting socket and wire. Digital voltmeter : 0-20V Digital Ammeter : 0-500mA Two Digital meters : DC 0 to 200uA -1no's 0 to 200mA

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## Product Description



Bandwidths 1GSa/s Real Time Sample Rate Trigger mode: Edge, Pulse Width, Video, Slop, Overtime, Alternative trigger etc. Provides software for PC real-time analysis **EASE-OF-USE FEATURES** : Five math functions, +, -, \*, /, and FFT functions. 32 automatic measurements and track measurement via cursor automatically. Large (7.0-inch) color display, WVGA(800x480) Support U disk and local files storage. Pass/Fail Function enables to output testing results Built in Bode diagram Assistant.

Waveform Capture Rate : 30,000 wfms/s Vertical Resolution : 8 bits Vertical Scale : 1 mV/div to 10 V/div Bandwidth : 200 MHZ Analog Channels : 2 Real Time Sampling : 1 Gsa/sec Time base Scale : 2 ns/div to 50 s/div Display : 7-inch WVGA (800x480) TFT LCD Connectivity : USB Host

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## Product Description



## AGN-150A Salient

integrates the sodium light source, polarimeter in one unit. It allows the user to read the circular scale directly from the scale reading and the sample reading simultaneously. **Polarimeter** is an instrument used to measure the rotation of the plane of polarization of light passing through optically active liquids. It is used to determine the concentration and contents of substances. The polarizer produces plane polarized light which passes through the sample substance. The plane of polarization is then analysed to the eye. The shadow field can be observed. The angle of rotation is measured with a scale.

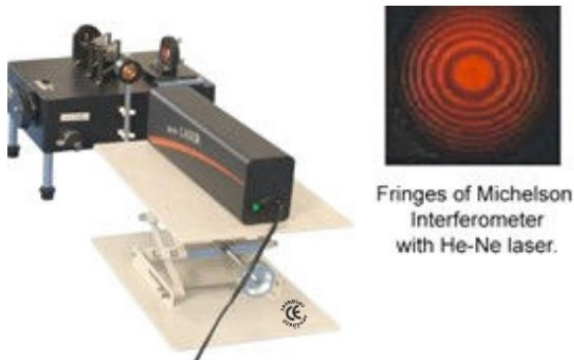
## Integrated Light Source

System: is a complete system associated with the instrument. It has been eliminated. Polarimeter measurement of Optical Specific Rotation of components are made. Aluminum and Stainless Steel and a long trouble-free life. with Integrated Light Source. Waveform Capture at least 4X Stabilization. Power line voltage : 220V. optical rotation :  $\pm 180^\circ$ . count : 0.050 . Magnifying glass : 4 times . Source of light : 5893A0 . Wavelength : 5893A0 . power : 20 W

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## Product Description

### Michelson Interferometer Kit with He-Ne-Laser



Fringes of Michelson Interferometer with He-Ne laser.

**AGN-228B Principle and Working :** When a coherent light beam enters into beam splitter, it is divided into two parts, thus two beams travel in different directions, are relected into each other through two mirrors forming interference patterns when they are combined and superimposed. In the present setup, measuring the wavelength of sodium light or He-Ne laser, using an equation:  $\lambda = 2.D/n$  where, D is the total displacement whereas n is the number of intensity maxima counted. **Speciication :** Compensating plate (dimension) : 50x38x7mm Mirrors M1 and M2 : Diameter: 30mm dia, thickness: 10mm Flatness of beam splitter :  $\lambda/8$  Laser : He-Ne laser Base dimension : 290x212x168m Beam splitter (dimension) : 50x38x7mm Least count of coarse adjustment knob : 0.01mm

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## Product Description



AGN-512B Salient features. 4 Separate transmitter & receiver section. 4 Multimode Fiber cable 2m and 2m PMMA. 4Single mode iber cable 5m 4In line SMA adaptor. 4Modular approach. 4High precision digital micro volt metre. 4 Relective index of transparent solids speciication : Digital micrometer : (0-20 mV, 0-200 mV, 0-2000 mV, 0-2 V, L.C. -0.001 mV) Fixed slider : Height more than 100mm, Traversal slider : Height: morethan 20mm, Least count:0.01mm), Two meter PMMA & SPMA Fiber Multimode iber : (Length 2m, aperture 0.5 diameter 1mm) Optical bench : Length:100 cm, Least count: 1mm), Leaser transmitter : Wavelength-650nm, Power:3 mW or equivalent Digital multimeter : Multimode mode ibre module

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## Product Description





electromagnets. The current regulation circuit is IC controlled, thus, resulting in the highest quality of performance. Matched power transistors are used to share the load current. The supply is protected against overload, short circuit and transient caused by the inductive load of the magnet. **Specification :** Load regulation : 0.1% for load variation from 0 to max Line regulation : 0.1 % for  $\pm 110\%$  main variation Current range : 0 to 5A Features : Smoothly adjustable Display : Digital display - 3 ½ digit & segment LED DPM Main Power supply : 220V AC  $\pm 10\%$  , 50Hz

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## Product Description

## Digital Gauss

### AGN-383 Descript

the principle of the  
When a semiconduc  
direction is introduc  
field a voltage is pro  
path. The magnitud  
the intensity of the  
Hall Voltage. This H  
calibrated as the m  
display : 3 ½ digit &  
Hall probe Special f



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## Product Description

### Plancks Constant by Photoelectric Method



**AGN-388 Description :** Experimental Set-up has been designed specifically for determination of Planck's constant by Vacuum type Photo Cell with three filters. The experimental set-up is absolutely self contained and require no other apparatus. Photo Cell with three filters. Practical experience on this set up carries great educative value for Science and Engineering Students.

**Speciication :** Scale : Length 400 mm Photocell : Cs is a lamp of vacuum tube with two electrodes (anode, cathode) Light source : Tungsten- halogen 12V/35 W Display mode switch : Displays current or voltage Warranty : 01 year

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## Product Description



fringes Pen type diode laser operated by two cells.

**Description :** very easy to use and simple, most suitable for undergraduate course. The kit briefly covers the fundamentals of Light principle like diffraction, refraction, interference etc. The kit is very handy to use, one can demonstrate all experiments in a Class room. Consist of Laser diode along other Optical Components. Laser light diffraction through transmission grating and calculate its grating pitch. With the help of 13 gratings you can observe Laser Light diffraction through Single Slit, double Slit, & interference of Laser Light when it passes through wire mesh, observation of airy's pattern when passes through pin hole. **Speciication :** Prism Table : SS scale Laser Power : 40mm Warranty : 01 year

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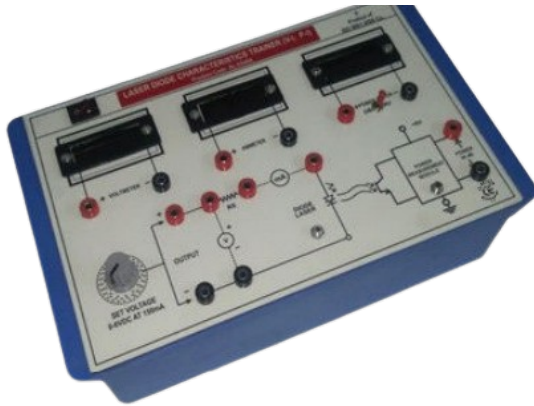
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## Product Description





**AGN-040A SALIENT FEATURES:** Front panel built with high class insulated Printed Circuit Board sheet with well printed circuits and symbols. Fuse for Short Circuit protection Instruction manual. Connections are brought out through 4mm Colored Sockets. Patch Cords 4mm. The trainer is housed in ABS Plastic cabinet. Size of the trainer set 12"x8" **Specification :** Digital voltmeter, digital milli-ammeter, LEDs (4 nos) Diode Laser with holder, photo detector, bases Equipped with variable power supply Warranty for 01 year

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## Product Description

## Diode Circuit

### AGN-031A SALIENT

with high class insulated Printed Circuit Board sheet with well printed circuits and symbols. Fuse for Short Circuit protection Instruction manual. Connections are brought out through 4mm Colored Sockets. Patch Cords 4mm. **Specification :** Resistance Range: 0 to 2000k ohms. D.C. Voltage: 0 to 30V Current: 200 & 2000 micro ampere A.C. Voltage: 200 & 2000 micro ampere Circuit Board



(50 cm), Resistor Module 330 Resistor Module 1K, LED Module. Regulator Module, Transformer Module

Warranty: 01 year

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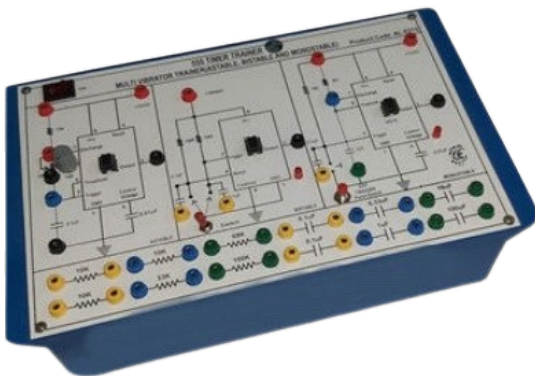
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## Product Description

### IC 555 Trainer Kit



**AGN-012** Components are mounted on the panels are: Passive Components are mounted on board behind the panels are RESISTANCE CAPACITORS IC Ne555 VARIABLE RESISTOR 10K PULSAR SWITCH SALIENT FEATURES: Front panel built with high class insulated Printed Circuit Board sheet with well printed circuits and symbols. Fuse for Short Circuit protection Instruction manual. Connections are brought out through 2mm Colored Sockets. Patch Cords 2mm.

**Specification :** DC regulated power supply of 5V IC 555 placed inside the cabinet & connections brought out at sockets Various resistance and Capacitors connected inside the cabinet and connections brought out at the sockets.

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