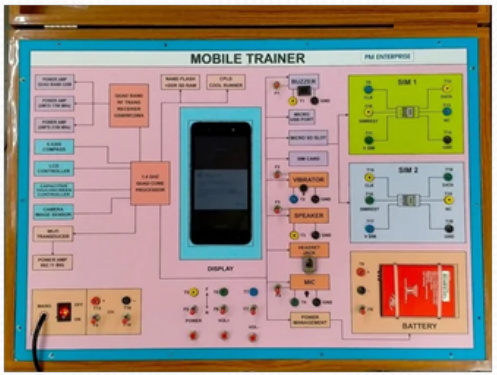
LTE Mobile Trainer Kit

KS/ECE/LTEMOB

LTE Mobile Trainer Kit is an educational and laboratory training system designed to demonstrate the architecture, operation, and performance of **Long Term Evolution (LTE)** cellular communication networks. It is widely used in engineering colleges, universities, and telecom training institutes to provide hands-on learning in modern wireless communication technologies.Network : GSM / HSPA / LTE 2G bands : GSM 850 / 900 / 1800 / 1900 MHz - SIM 1 & SIM 2 3G bands : HSDPA 850 / 900 / 1900 / 2100 MHz 4G bands : LTE band 1(2100 Mhz), 3(1800Mhz), 5(850MHz), 8(900Mhz), 20(800Mhz), 40(2300MHz) , OS & Processor Features: Operating system -Android System,Architecture -Qualcomm,Processor core -Octa Core Processor, clock speed -1.4 GHz or Higher , In-Built SMPS of +9 V/1.5A or Higher , On Board Two Sim Slots , In Built Charger, Onboard RS-232 & USB connector for PC Communication , Onboard Mic and Speaker interface,On board RTC with independent battery backup, SMA antenna connector with antenna, Sliding / fixed landing SIM holder , Built in Network LED, Status LED, Power LED , Display Features:Display size -5 inch or higher ,Resolution- 1920 x 1080 or higher ,Resolution type - Full HD Memory & Storage Features:Internal storage -16 GB or higher ,RAM 1 GB or higher , Expandable Storage,Memory card type-Micro SD,Connectivity Features:Supported: networks -4G VoLTE (Cat 4),UMTS/HSPA+ GSM/EDGE , Internet connectivity -4G, 3G, Wi- Fi, EDGE, GPRS, Pre-installed browser-Android,Micro USB port- Yes, Bluetooth support -Yes,Bluetooth version : BR/EDR+BLE 4.2 or latest ,Wi-Fi version-802.11 b/g/n or latest ,Dual band (2.4GHz & 5GHz),Wi-Fi hotspot-Yes,Audio jack-3.5 mm,Location services - GPS, A-GPS & GLONASS,GPS support-Yes , Bare board Tested Glass Epoxy PCB is used , AT cellular command interface through Windows based Software , Camera Features; Primary camera - 13 Megapixel or Higher, LED Flash,PDAF with FHD Video Recording or latest, 1080p or Higher,HD Video Video resolution 1920 x 1080 or Higher,Secondary camera 5 Megapixel or Higher , Display Flash,Secondary camera- Fixed Focus , Test points are provided to analyze signals at various points.All interconnections are made using banana Patch cords.User Instruction Manual , Attractive ABS Plastic Enclosure.AC Input : 230V ± 10%, 50 Hz, Keypad block with Power and Volume control ,Power supply block for charging the battery.Fault swithches are provided to find the Faults .Inbuilt Powerful TCP/IP protocol stack for internet data transfer over GPRS .



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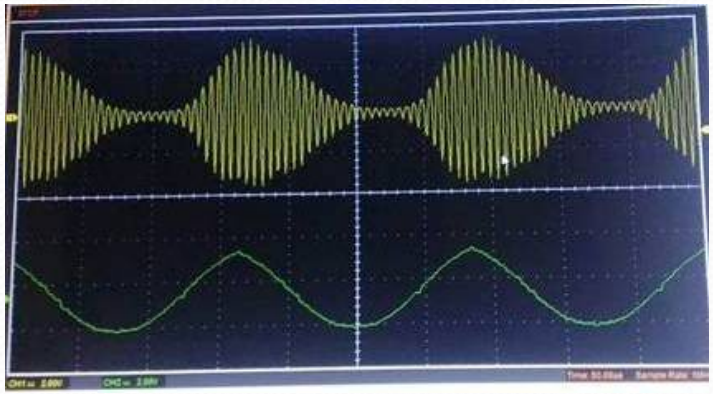
AM Modulaor/ Demodulator Kit

KS/ECE/AMMODDEMOD

Output voltage(Regulated) : +12V/ 500mA or Higher (Inbuilt),Audio frequency : Sine wave 1KHz, Carrier frequency: 455 KHz / 0-2.5V P-P Approx., with PVC cabinet, circuit diagram printed,Connections of various components of Modulator (i.e IC LM 1496-doubled balanced modulator and de- modulators or Diode OA 79),outputs & test points brought at glass Epoxy front panel,provided with power chord, patch chords & instruction manual, Equipment Materials:Glass Epoxy Front Panel With PVC Box

This trainer kit is designed to demonstrate the process of Amplitude Modulation (AM) and demodulation, which is used in analog communication systems .



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Microphone and Loudspeaker Trainer Kit to plot the directional response.

KS/ECE/MICLDTKIT

Microphone and Loudspeaker Trainer Kit is an educational laboratory system designed to study, measure, and plot the **directional (polar) response characteristics** of microphones and loudspeakers. It is commonly used in electronics, acoustics, audio engineering, and communication engineering laboratories.DC Supply: +12V DC (regulated) inbuilt,Type of Microphones:Condenser or Electret microphone (for omnidirectional response),Dynamic or Cardioid microphone (for directional response),Frequency Response: 20 Hz – 20 kHz,Sensitivity:-45 dB ±3 dB,Type of Loudspeaker:Full-range small cone speaker (2–3 inches,8Ω),Frequency Response: 100 Hz – 10 kHz,Power Rating:0.5–1 W,Directional Response Measurement:Rotatable Setup-Manual or motorized rotating arms with angle markings (0°–360°),Angular resolution: 10° approx. or better,Test Points:Microphone output,Amplifier output,Speaker input,outputs & test points brought at front panel,provided with patch chords & instruction manual

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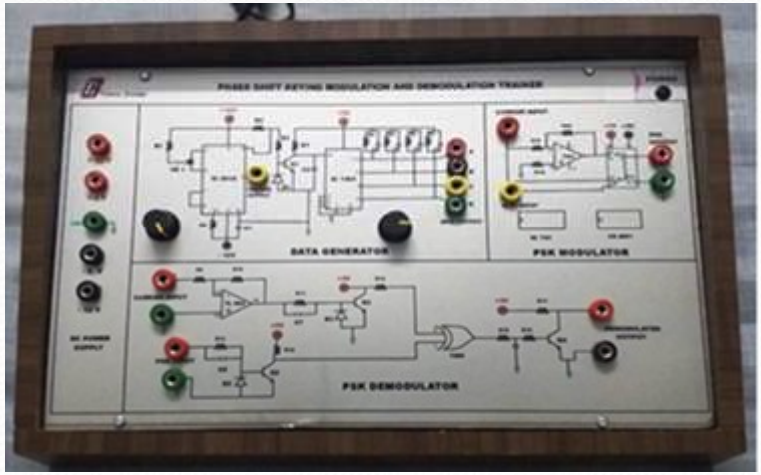
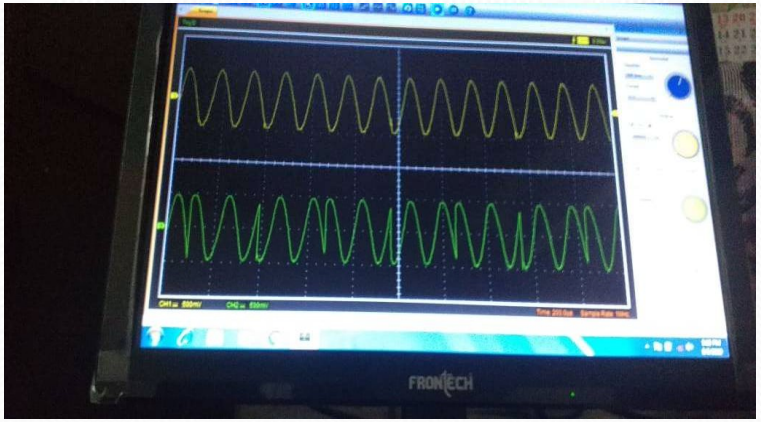
PSK Modulator/ Demodulator Kit

KS/ECE/PSKKIT

Output voltages(Regulated) : + 12V DC , +5V DC (Inbuilt) Sine wave carrier frequency : 22KHz / 5V P-P Approx.,PVC cabinet, circuit diagram printed, connections of various components (IC7490:Decade Counter, IC4051:Multiplexer IC, Tl084:Quad Op Amp IC & IC7486:Quad, 2-input EX-OR gate IC),Power Supply : 230V ±10% at 50Hz A.C. Mains, outputs & test points brought at Glass epoxy (PCB) front panel,provided with power chord, patch chords & instruction manual.

This trainer kit is designed to study the process of Phase Shift Keying (PSK) , to be used in digital communication systems.





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QPSK Modulator/ Demodulator Kit

KS/ECE/QPSKKIT

Clock Generator: Synchronous clock generator using IC 555,Frequency of square wave is 200 Khz or higher,Carrier Generator:Provides Four quadri-phase carrier output generated using IC 7490 (0°, 90°, 180°, 270°) at 100KHz or higher frequency,Data Generator:Synchronous data generator using IC 74165,Switch selectable simulated data stream,Data stream generated at approx. - 1Kb/s rate,On board Block features:QPSK -modulator circuit,QPSK -Demodulator,Block Description Screen printed on glassy epoxy PCB,Power Supply: 12V/250mA or +5V DC, 250mA ,Compact size,

To display the wave forms (i/p message wave form, carrier waveform, modulated waveform and demodulated waveform) on CRO Screen with glass on top

QPSK is a digital modulation technique where **two bits** are transmitted per symbol by shifting the **phase** of the carrier among **four possible values**.

Typical phase states (Gray coded):

00 → +45°
01 → +135°
11 → −135°
10 → −45°

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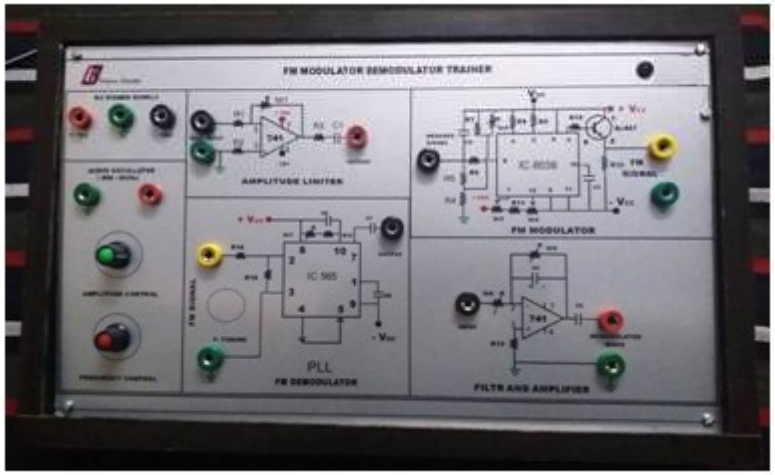
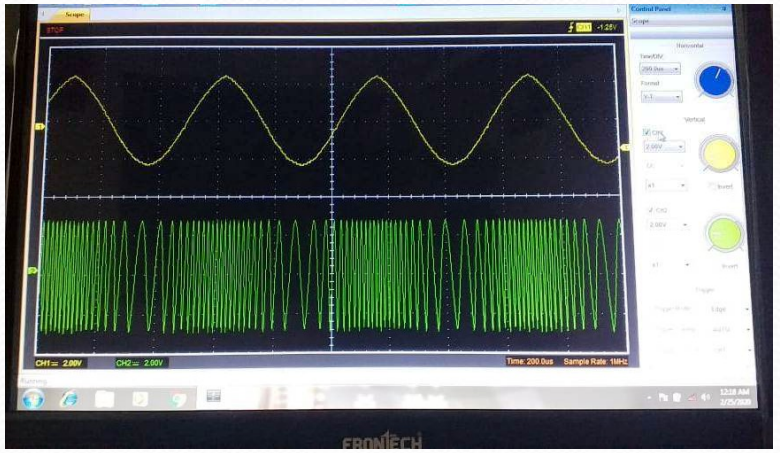
FM Modulaor/ Demodulator Kit

KS/ECE/FMMODDEMOD

In built IC based DC regulated power supply +12V/ 250mA,On board sine wave audio frequency signal generator Frequency: 2 KHz & 4KHz,Modulation using VCO 8038 (Carrier generator internally 62KHz, 5.5Vpp) Demodulation circuit using phase locked loop IC LM 565,Glass Epoxy PCB used as front panel & mounted on light Weight shock proof plastic cabinet,Circuit diagram printed on Glass Epoxy PCB & test points are brought out on front panel Power requirement : 220 VAC ±10%, 50Hz, Accessories Power Chord, Patch Chords,connecting wires & Instruction Manual,

This trainer kit is designed to demonstrate the process of Frequency Modulation (FM) and demodulation, used in FM radio and other electronic communication systems.





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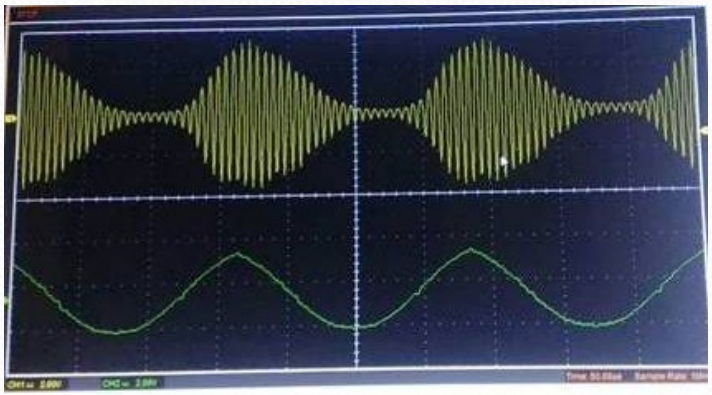
AM transmitter kit

KS/ECE/AMTRANSKIT

AM Transmitter Kit is an educational and laboratory training system designed to demonstrate the principles and operation of **Amplitude Modulation (AM)** used in analog communication systems. It is widely used in electronics and communication engineering laboratories to help students understand signal modulation, transmission, and analysis.On board variable frequency audio oscillator, Carrier freq generator Onboard DSB&SSB Modulator,Band Pass filter,455 KHz Generator, Audio & RF Amplifiers Transmitting Antenna, Speaker & Headphones , Audio oscillator(sinewavegenerator) Frequency: 300Hz - 3.4 KHz,Amplitude: 0 - 2 Vpp,Audio input:Audio preamplifier with microphone input,Voltage controlled oscillator(VCO) Output signal: Sine wave,Frequency range:400 KHz-500KHz or higher,Amplitude: 0 - 2Vpp approx., Modulation:Amplitude modulation,Double side band,Single side band (LSB),Carrier input:1 - 1000 KHz Modulating input frequency:0.1 - 100KHz,Center frequency:455 KHz,Bandwidth:10 KHz ± 3 KHz,Output amplifier,Gain adjustable connected to cable or antenna, Switch Faults:various switch faults are provided on board to study different effects on circuit,AC Input : 230V ± 10%, 50 Hz, Accessories-connecting wires & Instruction Manual



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Arduino kits with modules

KS/ECE/ARDUINOKITS

Arduino kits with modules provide a practical learning environment for understanding electronics, programming, and system integration. By connecting different input, output, and communication modules to an Arduino board, users can quickly build and test real-world applications such as automation, robotics, sensing, and Internet of Things (IoT) projects.Arduino µC Development Board Uno and USB Cable SPECIFICATIONS Microcontroller: ATmega328P ,Operating Voltage: 5V Input Voltage (recommended): 7-12V ,Input Voltage (limit): 6-20V ,Digital I/O Pins: 14 (of which 6 provide PWM output) minimum ,PWM Digital I/O Pins: 6 ,Analog Input Pins: 6 DC Current per I/O Pin: 20 mA -500 mA DC Current for 3.3V Pin: 50 mA-150 mA Flash Memory: 32 KB (ATmega328P) of which 0.5 KB used by bootloader or Higher SRAM: 4KB (ATmega328P)or higher ,EEPROM: 8KB or higher(ATmega328P) Clock Speed: 16 MHz , Length: 75 mm or Higher Width: 54 mm or Higher , Height : 12 mm or higher ,USB Interface,Sensors: All One each Relay Module V2 ,LEDs: For visual feedback and demonstrating basic programming , Digital RED LED Light Module ,Digital White LED Light Module Digital Green LED Light Module Digital Blue LED Light Module ,Analog Grayscale Sensor M35 Analog Linear Temperature Sensor Analog Ambient Light Sensor ,Digital Vibration Sensor Digital Tilt Sensor ,Digital Push Button ,Capacitive Touch Sensor ,Digital magnetic sensor ,Analog Sound Sensor Analog Carbon Monoxide Sensor (MQ7) ,Analog Voltage Divider Piezo Disk Vibration Sensor ,Analog Rotation Sensor V2 ,Joystick Module ,Flame sensor Triple Axis Accelerometer MMA7361 ,Actuators: For outputting control signals , Digital Infrared motion sensor ,Sharp GP2Y0A21 Distance Sensor (10-80cm) (3.94-31.50"") ,Soil Moisture Sensor ,Digital Push Button (Red) ,Digital Push Button (White) ,Steam Sensor , Jumper Wires: For connecting components on the breadboard,Power Supply: AC to DC power Adaptor or USB power, Instruction manual

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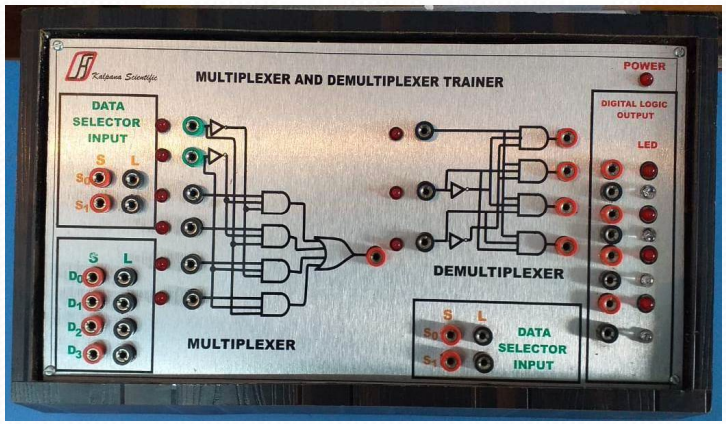
Trainer Board to study Mux & Demux

KS/ECE/MUX-DEMUX

Objective:The Instrument designed to study of multiplexers & de-multiplexers for different Inputs,Types of Multiplexer : 2:1 Multiplexer, 4:1 Multiplexer,8:1 Multiplexer., 16:1 Multiplexer,Types of Demultiplexer: 1:2 Demultiplexer.,1:4 Demultiplexer,1:8 Demultiplexer, 1:16 Demultiplexer,Technical specifications:5V D.C. at 100mA , IC regulated power supply internally connected,connections of IC's Multiplexer IC 74150,De multiplexer IC 74154,LEDs for visual indication of status,SPDT switches for logic selection low and High,Mains ON/OFF switch, Fuse and Jewel light,The unit is operative on 230V ± 10% at 50Hz A.C. Mains,terminal/sockets are provided at appropriate places on panel for connections / observation of waveforms,detailed Operating Instructions, giving details of Object, Theory, Design procedures,Weight:2Kg(Approx),

This trainer kit is designed to study the process of multiplexing and de-multiplexing in digital electronics with the help of logic gates



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Function Generator

KS/ECE/FUNGEN

A function generator produces standard waveforms such as **sine, square, triangular, and sawtooth waves**. These signals are used as test inputs for amplifiers, filters, communication circuits, control systems, and digital logic circuits. The frequency, amplitude, duty cycle, and offset of the output signal can usually be adjusted.Frequency Bandwidth (Sine Wave): 10 mHz to 25 MHz Number of channels: 2 Display: LCD Standard Waveforms: Sine,Square,Pulse,Ramp,Noise,Sin(x)/x, Exponentional rise/fall,Gaussian,DC Offset,Frequency Display:4-digit or 5-digit digital display (LED/LCD), Band Width of Arbitrary Waveform Generator: 10 mHz to 25 MHz, Frequency Control:Coarse and fine adjustment knobs or digital keypad Amplitude Control: Rotary knob or digital setting Offset Control:Rotary knob Waveform Selection:Switch/button or menu-driven (if digital) Output On/Off Control: Yes (toggle or push button), Power cord, BNC to crocodile/test leads (1 pair), User manual,Calibration certificate (if applicable) , Sample Rate of Arbitrary Waveform Generator (Mega Samples/sec): 50 Record Length of Arbitrary Waveform Generator (Kilo Points): 64 Waveform Memory of Arbitrary Waveform Generator (Waveforms): 4 Vertical Resolution : 12 bit Amplitude Range (at 50 ohm impedance) : 10mV to 10 V pp Power Requirements: 230 V +/-10% AC, 50 Hz +/- 3% OPERATING CONDITION Minimum Operating Temperature:5 degree Celsius Maximum Operating Temperature: 35 degree Celsius Operating Humidity (RH) at 40 deg C non condensing (%): 70 SERVICE

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DC Regulated Power Supply

KS/ECE/DCREGPSUPPLY

The primary function of a DC regulated power supply is to convert **alternating current (AC)** from the mains into a **regulated DC output**. Regulation ensures that the output voltage remains nearly constant even when the load changes or when there are fluctuations in the input AC supply.Input voltage/Frequency: 230V AC/ +/- 10%, 50 Hz, Single Phase AC Variable output voltage range: 0 to 30 V (+10%) Variable output Current range : 0 to 30 A (+10%); Single turn coarse and fine control, continuously adjustable potentiometers DC Fuse + MCB as well as AC MCB or over voltage protection / over current protection; Operating Temperature: 0 to 55 deg C; Humidity: 90% at 45 deg C non condensing;
Load regulation: ≤ +/- 0.1% + 2 mV for 10% change in line voltage Line regulation: ≤ +/- 0.1% + 2 mV for load change on zero to full load Ripple and Noise: ≤ 1 mV RMS Max. 20 Hz to 20 MHz Stability under constant line, load and temperature - in Constant Voltage mode: < +/-0.2% +/-10 mV Stability under constant line, load and temperature - in Current mode: < +/-0.2% +/- 0.5 mA Transient response: 0.1 set to within 10 mV of set output voltage for load change from 50% to 90% Total output power Nominal: 900 Watts, Maximum: 2000 Watts Meters Display to indicate Volts and Amps. Voltage and current accuracy : ≤ +/- 0.5% ref. voltage 1 volt,

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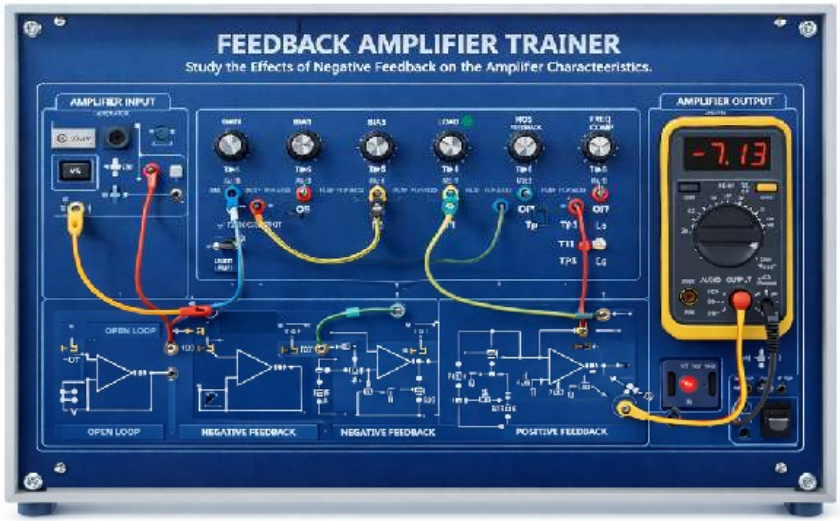
Trainer Board to study the effects of negative feedback on the amplifier characteristics

KS/ECE/NEGFEEDBK

The trainer board allows students to practically investigate amplifier behavior under **open-loop** and **closed-loop (negative feedback)** conditions. By varying feedback parameters, users can observe changes in gain, bandwidth, distortion, stability, and noise, reinforcing theoretical concepts of analog electronics.Power Supplies:DC Power Supply IC Regulated +15V DC, 150mA,Operated on Mains power 230V, 50Hz +10%,Sine Wave Oscillator:0-100KHz or higher,Components are mounted on the panels are:Transistors,Resistors,Capacitors,Adjustable gain,A built-in feedback network with adjustable feedback fraction (β),test points for measuring input/output impedance, gain, and frequency response,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,trainer housed in ABS Plastic cabinet



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Trainer Board to study characteristics of class A amplifier

KS/ECE/CALSSAAMP

The Class A Amplifier Trainer Board enables students to analyze amplifier operation where the active device conducts for the **entire 360° of the input signal cycle**. The trainer facilitates practical study of voltage gain, current gain, power gain, efficiency, linearity, and distortion characteristics of Class A amplifiers.Output voltage(Regulated) : +12V,200mA (Inbuilt),Transistor Configuration: Single-stage Common Emitter (CE),Active Device: NPN Power Transistor(e.g., BC107, BC547, or equivalent),Biasing Method: Voltage divider bias with emitter stabilization resistor,Load Type: Resistive load,Voltage Gain (AV): 10–50 (typical),Bandwidth: 20 Hz – 100 kHz,Input Line Voltage : 230V AC ± 10% ,50Hz,Symbols and Diagram are printed on glass epoxy PCB,Instruction manual,Patch cords/test leads,

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LED TV Receiver Kit

KS/ECE/LEDTV

The LED TV Receiver Kit enables students to study how television signals are received, processed, and displayed on an LED screen. The kit illustrates the complete signal flow from antenna or input source to audio and video output, helping learners understand both analog and digital TV receiver concepts.LED TV Trainer Kit Technical Specifications: USB Universal Serial Bus 2.0 Input Color System PAL/NTSC Auto , RF IN ,Wide Full HD 1080P or Higher , Screen type : LED , Size : 24" inch or Higher Sound System BG/DK/,Receiving Channel :1-199 Signal Input/output : PC(VGA) High-Definition Multimedia Interface(HDMI) ,Video Input ,Video Output ,PC Audio Input YCb (Pb) Cr (Pr) Audio IN ,Earphone ,USB ,Fault Switch 6 Nos. (minimum) Test Point 5 Nos. (minimum) Complete block diagram printed on front panel Remote operated system. ,All important output, control switches & test point brought out at front panel. Dimensions 600mm x 420mm x 240mm (Approx.) or Higher Power Requirement: 220VAC +10%, 50Hz Standard Accessories: Instruction Manual & Romote- 1No.

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PLC Trainer Kit

KS/ECE/PLCTRKIT

The PLC Trainer Kit provides a practical platform for understanding how PLCs control industrial processes and machines. The kit integrates a PLC unit with input/output modules, power supply, and real-time simulation elements to enable programming, testing, and troubleshooting of automation tasks.CPU Features: 32-bit, real-time OS, integrated I/O, Digital Inputs: Min. 8 (24V logic level) Digital Outputs:Min. 8 (Relay or Transistor type) , Analog Inputs/Outputs: Optional (at least 2 AI / 2 AO ports if included), Programming Language: Ladder Logic, Program Memory:≥ 2 KB user memory, Communication Ports:USB or RS-232 (standard), Ethernet (optional) ,Power Supply to PLC: 24V DC (via adapter or onboard SMPS), Input Type: Sink/Source selectable, 24V logic level , Output Type: Relay or Transistor (suitable for external load switching), Input Switches:8 push buttons or toggle switches ,Output Indicators:8 LEDs (visual indication of outputs),Actuators for Simulation: Relay, buzzer, lamp, small DC motor, fan Printed Circuit Diagram on Panel:Yes – for learning block functions ,Test Points: Provided for CRO/Multimeter use , Fault Insertion Switches:Optional (for testing/debugging skills) ,Sensor Interface:Proximity, IR, LDR, or Limit Switches (at least 2 sensors), Safety Features: Overvoltage, reverse polarity protection, Enclosure : metal cabinet with printed acrylic panel, I/O Interface Sockets: Banana/screw terminals for safe connection, Programming Software, Type: Windows-based GUI, compatible with included PLC,Programming Languages: Ladder Logic (mandatory), Instruction List or Function Block (optional), Simulation Mode: Yes (online/offline) ,Optional Enhancements:HMI Display Module (touchscreen interface), SCADA Integration Interface (optional),Multiple PLCs for networking demo, PC-based Simulation Software,Cable:USB/Serial programming cable supplied, Operating Voltage: 230V ±10%, 50 Hz AC , Panel Power 24V DC (internal supply),Connectivity :output terminals for wiring , Complete PLC trainer panel with mounted PLC unit,PC programming cable, Experiment manual with 10+ verified labs,Software installation CD or link,Wiring set (jumper wires, banana plugs)

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Optical Fiber Splicing Machine

KS/ECE/OPTFIBSPLIMCHN

The machine precisely strips, cleaves, and aligns the optical fibers using core or cladding alignment techniques. An electric arc is then applied to melt and fuse the fiber ends together, forming a continuous optical path with very low insertion loss and back reflection.Suitable for SM (Single Mode) and MM (Multi-Mode) fibres.Splicing Method: Core alignment fusion splicing, Fibre Types Supported: Single Mode (SM), Multi Mode (MM), Dispersion Shifted (DS), NZDS, BIF and others as per current technology, Core Type : G.652, G.657 (A1, A2), G.653, G.655, G.651 and others as per current technology, Fibre Cladding Diameter: 80 to 150 µm Coating Diameter: 100 to 1000 µm Fibre Cleave Length: 8 to 16 mm Fibre Holder Compatibility: Compatible with standard 250 µm and 900 µm coatings, Heating (Sleeve Shrinking) Time: ≤ 20–25 seconds (40 mm/60 mm sleeves) Estimated Splice Life: Over 10,000 splices with regular maintenance, Display: 4.3 – 5 inch color LCD, touchscreen preferred, User Interface:Intuitive GUI with multilingual support (including English) Magnification:Up to 300x dual camera (X and Y axis view) Image Capture:Fibre images before and after splicing (preferred), Power Input: AC 100–240V, 50/60 Hz; external adapter,Operating Voltage:DC 12V (internal regulation),Battery Type: Rechargeable Li-Ion battery, Battery Capacity:Minimum 200 splices + 200 heat cycles per full charge for Infield/lab portability, Operating Temperature:-10°C to +50°C,Humidity: 0 to 95% RH (non-condensing), Shock Resistance: Drop tested from 76 cm on 5 faces ,Casing:Durable, rugged hard case with protective padding,Accesories : High precision fibre cleaver (≥ 16,000 cleaves),Fibre stripper (250 µm/900 µm compatible),Alcohol dispenser bottle,Cleaning wipes, Cooling tray for shrink sleeves,Power adapter and charger,Spare electrodes (minimum 2 sets) ,Operation manual (printed and digital),Training DVD / Online training access,Hard carrying case (shockproof, waterproof), Quality Certification:ISO 9001 certified manufacturing, Warranty: 1 year or Higher on machine and accessories, Service Support:On-site installation and demo; 3-year post-sale technical support (shall be provided).

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Optical Time Domain Reflectometer

KS/ECE/OPTDREFFLECTMTR

An **Optical Time-Domain Reflectometer (OTDR)** is an optoelectronic test instrument used to **characterize, test, and troubleshoot optical fiber communication links**. It is widely employed in telecommunications, fiber optic networks, data centers, and optical communication laboratories.Instrument Type:Handheld / Portable OTDR,Display Type: Color touchscreen , ,Fiber Compatibility:Both Single Mode & Multi Mode , Application:SM (Single Mode) and MM (Multi Mode) fibre testing , central Wavelengths Supported (SM):1310 nm and 1550 nm (mandatory), 1625 nm (optional) Wavelengths (MM):850 nm and 1300 nm (optional), Optional: 1625 nm (filtered for live testing), Measurement Range- Minimum: 100 m, Maximum: ≥100 km, Test & Measurement Capabilities ,Fibre Link Characterizatio : Measures length, insertion/splice loss, attenuation, reflection points, Fault Location:Detection of fibre break, microbend, macrobend, Splice & Connector Loss:Quantifies dB loss at connection/splice pointsReal-Time Trace:Live display of OTDR trace during test Storage Capacity: minimum 10,000 traces internal memory; exportable to USB, Display Size:Minimum 5-inch-7 inch TFT LCD (Touchscreen preferred) Resolution: Minimum 800x480 pixels,User Interface:GUI-based, easy for students to operate Control Input : Touchscreen and/or physical keypad, Power Input: AC 100–240V, 50/60 Hz Operating Voltage: DC 12V (from adapter or internal battery), Battery Type:Rechargeable Lithium-ion, Battery Backup : minimum 8 hours, OTDR main unit with protective rubber casing,SM and MM test launch cables,Carry case, USB cable and charger,Battery pack (rechargeable, inbuilt), Instruction manual and quick start guide,Calibration certificate, OTDR software CD or downloadable link, Optional Accessories (Preferred for Teaching Labs) VFL (Visual Fault Locator) – Red laser for visible fault location, OLS (Optical Light Source) – For optical power measurement experiments, OPM (Optical Power Meter) – Standalone or integrated, Fibre Connector Adapters – SC/APC, SC/UPC, FC, LC ,Event Map Feature – Beginner-friendly fault identification view, Laser Safety Goggles – 1 pair minimum, Calibration:Must be factory calibrated and certified,Warranty:1 year or Higher with on-site support preferred Service Support: Free training & installation, technical support for minimum 1 year.(shall be provided)

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