



**MODEL : ET-ASK/FSK/PSK**

## Amplitude/Frequency/Phase Shift Keying Modulation & Demodulation Kit

**ET-ASK/FSK/PSK** is used to study Amplitude/ Frequency/ Phase Shift Keying Modulation & Demodulation,. Everything is available on board and no external Function generator is required. This kit has been designed keeping students in mind so its very easy to understand and use.

Specification:-

- On board Carrier Frequency generator
- On board Modulating Signal generator
- On board Data Clock
- On board ASK Modulator circuit
- On board ASK Demodulator circuit
- On board FSK Modulator circuit
- On board FSK Demodulator circuit
- On board PSK Modulator circuit
- On board PSK Demodulator circuit
- Test points are provided to analyse signals at various points
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- With built-in power supply
- Enclosed in a wooden/plastic box

## Analog Communication Trainer

**ET-ACT** is used to study Amplitude/Frequency/Phase Modulation & Demodulation. Everything is available on board and no external Function generator is required. This kit has been designed keeping students in mind so its very easy to understand and use.

Specification:-

- On board Carrier Frequency generator
- On board Modulating Signal generator
- On board Amplitude Modulator circuit
- On board Amplitude Demodulator circuit
- On board Frequency Modulator circuit
- On board Amplitude Demodulator circuit
- On board Frequency Modulator circuit
- On board Frequency Demodulator circuit
- On board Phase Modulator circuit

*Note : Specifications are subject to change due to our constant efforts for Improvement. Please refer to quotation for final specifications.*

- On board Phase Demodulator circuit
- On-board potentiometer for varying depth / percent of modulation
- On board Op Amp Based Amplifier
- Test points are provided to analyse signals at various points
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- With built-in power supply
- Enclosed in a wooden/plastic box

## Pulse Amplitude / Position / Width Modulation & Demodulation Kit

**ET-PAM/PPMPWM** is used to study Pulse Amplitude/Pulse Position/Pulse Width Modulation & Demodulation,. Everything is available on board and no external Function generator is required. This kit has been designed keeping students in mind so its very easy to understand and use.

Specification:-

- On board Carrier Frequency generator @8KHz
- On board Modulating Signal generator @1KHz
- On board Synchronous Clock
- On board PAM Modulator circuit
- On board PAM Demodulator circuit
- On board PPM Modulator circuit
- On board PPM Demodulator circuit
- On board PWM Modulator circuit
- On board PWM Demodulator circuit
- On-board potentiometer for varying depth / percent of modulation
- On board Op Amp Based Amplifier
- Test points are provided to analyse signals at various points
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- With built-in power supply
- Enclosed in a wooden/plastic box

## DPCM Modulation & Demodulation

**ET-DPCM** is used to Differential Pulse Code Modulation. Everything is available on board and no external Function generator is required. This kit has been designed keeping students in mind so its very easy to understand and use.

- On board DPCM Modulation Section
- On board DPCM Demodulation Section
- Test points are provided to analyse signals at various points
- ON/OFF switch and LED for power indication.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- Block Description Screen printed on PCB
- All interconnections are made using 2mm banana Patch cords
- Supplied with User manual and patch cords
- With built-in power supply
- Enclosed in a wooden/plastic box