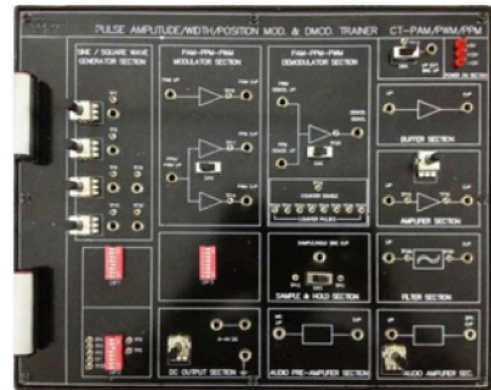


# PAM-PWM-PPM Modulation & Demodulation Trainer Kit

**Product Code: GKE428**

## Objective:

- Pulse Modulation Techniques • Pulse Amplitude Modulation • Pulse Width Modulation • Pulse Position Modulation



## Technical Specifications:

- On-board Sampling Frequencies (Pulse):- 8KHz, 16KHz, 32 KHz, 64KHz
- On-board Generator:-
  1. Sine Wave:- 1KHz & 2KHz (Gain adjustable)
  2. Square wave:- 1 KHz & 2 KHz (optional)
- Low Pass Filter: 4m order VW Filter
- Voice Communication: Voice link using dynamic mic & speaker AC Amplifier with adjustable gain control DC
- Out put: -4 V(variable)
- Switched faults: 8 nos.
- interconnections:- 4mm banana sockets
- Test Points: 29
- Power Supply: 2 20V  $\pm$ 10%, 50Hz
- Included:- Manual, Set of Patch cords, Line Cord, Microphone, Head Phone
- **Experiments:**
  - PAM using natural & flat top sampling
  - Samples, Sample & Hold & Flat top out puts in PAM.
  - PPM using DC & AC (Sine Wave) Modulating Signals.
  - Pulse Position Demodulation
  - Pulse width Modulation ^Demodulation