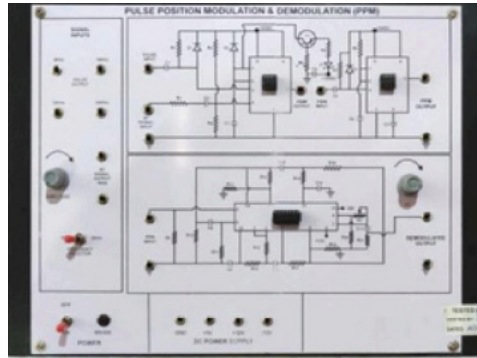


Study of Pulse Width Modulation & Demodulation

Productcode: GKE426

Objective: Observe change in width of clock pulses according to the amplitude of the modulating signal at the different clock frequencies.



Technical Specifications:

- In built IC based DC regulated power supply +12V, + 5/300.
- On board sine wave audio frequency signal generator
- Frequency: 1 KHz & 2KHz Amplitude: 0-10 Vpp & 0-4 Vpp
- On board sampling pulse generator (Frequency: 8KHz, 16KHz, 32KHz, 64KHz Amplitude: 5Vpp)
- Modulation using IC 7555 multivibrator.
- Demodulation of PWM using 4th order / low pass filter & AC amplifier using TL 074 with adjustable gain control.