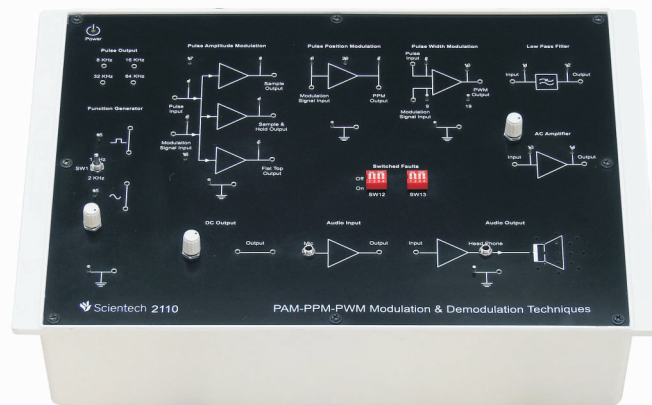




Sciencetech 2110 PAM-PPM-PWM are the basic Pulse Modulation Techniques. 2110 provides complete set up to the students for performing experiments on these techniques. They can study Sampling, Pulse Modulation, Demodulation & Signal reconstruction process. Separate circuits are provided for each technique. The learning material provides exhaustive technology details and experimental assistance.

Features

- PAM-PPM-PWM Modulation & Demodulation techniques, using Natural & Flat-top sampling
- Analog Sample, Sample & Hold and Flat-top outputs
- Selectable 4 different sampling pulse frequencies on board
- Voice communication using dynamic microphone & speaker
- On-board filter and AC amplifier
- 8 Switched faults

Scope of Learning

- PAM using Natural & Flat Top sampling
- Sample, Sample & Hold & Flat-top outputs in PAM
- PPM using DC & AC modulating signals
- Pulse Position Demodulation
- Pulse Width Modulation & Demodulation

Technical Specifications

Pulse Modulation Techniques

Pulse Amplitude Modulation

Pulse Width Modulation

Pulse Position Modulation

On-board Sampling : 8 KHz, 16 KHz,

Frequencies (Pulse) : 32 KHz, 64 KHz

On-board Generator

Sinewave : 1 KHz & 2 KHz (Gain adjustable)

Squarewave : 1KHz & 2 KHz

Low Pass Filter : 4th order BW filter

Voice communication : Voice link using dynamic MIC & speaker

AC Amplifier : With adjustable Gain Control

DC Output : 0-4 V (variable)

Switched Faults : 8 nos

Interconnections : 2mm banana sockets

Test Points : 29 nos

Power Consumption : 3 VA (approximately)

Product Tutorial : Online on www.SciencetechLearning.com

Dimensions (mm) : W 340 x D 240 x H 100

Mains Supply : 110V - 260V AC, 50/60Hz

Weight : 1 Kg. (approximately)

Operating Conditions : 0-40°C, 85% RH

Included Accessories

Patch cord 16" : 5 nos.

Main cord : 1 no.

Head phone : 1 no.

Microphone : 1 no.