

Product Name :
Digital Modulation Demodulation

Product Code :
NLAB-ENGINEERINGLB35002



Description :

Digital Modulation Demodulation

Technical Specification :

Digital Modulation Demodulation Lab Equipments Manufacturer, Suppliers & Exporters

Digital Modulation Demodulation

The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering. With this board the students can study the operating principle of the digital communication using the most common techniques such as PCM modulation, PAM modulation, PPM modulation, PSK and PPM modulations and binary to NRZ modulation with the aid also of a signal of noise, of analog filters and output amplifiers.

Technical Features of Digital Modulation Demodulation

1.

PCM modulator and demodulator

2.

8 bit coding with compression, M or A selectable through bridge

3.

2 channels for transmission and 2 channels for reception

4.

Possibility to use 1 or 2 digital channels

5.

Integrated anti-fading and band limiting analogue filter in reception, capacitive switching type

6.

Passing band from 300 Hz up to 3400 Hz

7.

PAM signal generation, demodulation, transmission for each single channel

8.

PWM modulator and demodulator

9.

Two channel time division

10.

Regeneration of the synchronism and channel signals

11.

Sampled, but not quantified signal

12.

PTM Signal Generation

13.

Passing band from continuous to 4000Hz

14.

PWM and PTM modulator and demodulator

15.

Single channel with passing band from continuous to 4000 Hz

16.

Regeneration of the synchronism signal

17.

Conversion of the PPM signal to PFM and from the PFM signal to PWM

18.

PCM signal generation and demodulation

19.

PCM Signal Time Division Multiplexing

20.

Delta modulator and demodulator: Single channel with passing band from continuous to 3400 Hz

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