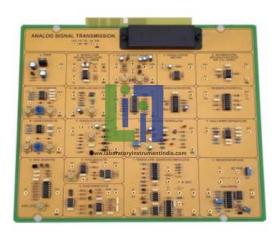


Email: sales@laboratoryinstrumentindia.com

**Product Name :**Analogue Signal Transmission

Product Code: LBNY-0005-12400048



### **Description:**

With this board the students can study the operating principles of the most common techniques of analog modulation with the aid also of the signal generators and auxiliary circuits. The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

#### **Technical Features:**

AM modulation and demodulation Carrier input 0 15 V peak, 70 700 kHz

SSB modulation and demodulation Selective filter Carrier input 0 15 V peak to peak, 300 350 kHz Modulator input 0 2 V peak to peak, 30 50 kHz SSB demodulator with ACG

DSB modulation and demodulation Carrier input 0 15 V peak to •peak, 70 700 kHz Modulator input 0 15 V peak to peak, 3.5 50 kHz

Transmission with class C amplifier

Gain of the receiver 15 dB

FM modulation and demodulation Input 1 10 V peak to peak, 2 5 kHz Carrier 6 9 MHz

Modulator input 0 15 V peak peak, 3.5 50 kHz

Low frequency generator 0 15 V peak to peak, 3.5 50 kHz

Noise generator

Quadrature FM modulation and demodulation Input 1 10 V peak to peak, 3 5 kHz

PM modulation and demodulation Input 1 5 V peak to peak, 0 300 Hz

Carrier generator 0 15 V peak to peak, 70 700 kHz

#### **Technical Specification:**

## **Theoretical Topics:**

Single side band modulation and demodulation (SSB)

Frequency modulation and demodulation (FM)

Amplitude modulation and demodulation (AM)

Double side band modulation and demodulation (DSB)

Low frequency generator

Noise generator

Phase modulation and demodulation (PM)

Fault simulation

Carrier generator.



# **Laboratory Instrument India**