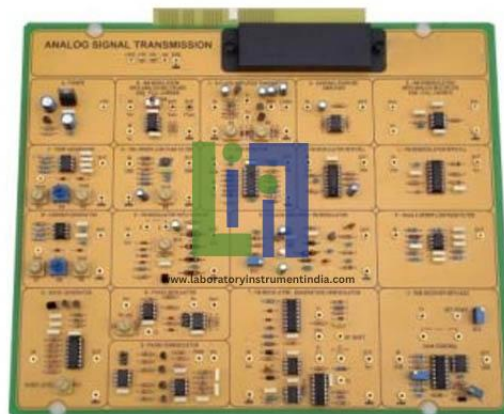




Email : sales@laboratoryinstrumentindia.com

**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 to 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 :**

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**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**