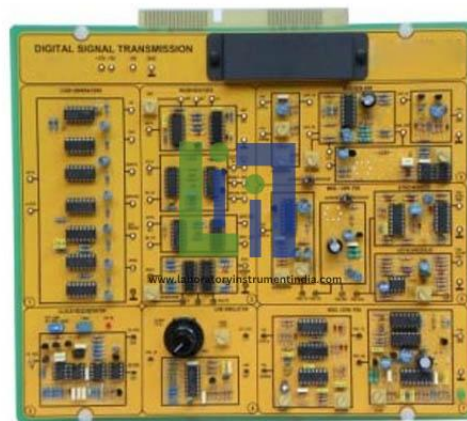




Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Digital Signal Transmission

**Product Code :**  
LBNY-0005-12400039



#### **Description :**

With this board the students can study the operating principle of the transmission of digital signals using the most common modulations such as ASK(Amplitude shift keying), FSK(Frequency shift keying) and PSK(Phase shift keying) with the aid of encoders decoders NRZ, RZ, Manchester, Bi phase and Duo binary. The design and construction of electronic circuits to solve practical problems is an essential technique in the fields of electronic engineering and computer engineering.

#### **Circuit Blocks:**

Bi phase coding and decoding  
NRZ (Non Return to Zero) coding and decoding  
Duo binary coding and decoding  
RZ (Return to Zero) coding and decoding  
PSK modulation and demodulation  
ASK modulation and demodulation  
FSK modulation and demodulation.

#### **Technical Specification :**

#### **Theoretical Topics:**

The transmission of digital signals  
The numerical modulators and demodulators to realize, verify and test the ASK, the FSK, the PSK modulation  
The base band transmission analysed through the study of NRZ, RZ, Manchester, Bi phase, DPSK and duo  
•binary coders and decoders  
Fault simulation.



**Laboratory Instrument India**