Product Name :	**Product Code :**
Analogue Signal Processing	NLAB-ENGINEERINGLB35001

Description :

Analogue Signal Processing

Technical Specification :

Analogue Signal Processing Lab Equipments Manufacturer, Suppliers & Exporters

Analogue Signal Processing

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 analog communication systems and analog signal processing techniques such as multiplication, division, square root, power, logarithm, antilogarithm, attenuation, amplitude modulation and demodulation, non inverting adder, difference amplifier, integrator and shunt.

Theoretical Topics of **Analogue Signal Processing**

1. Familiarization with analogue computing technique

2. Basic and advanced linear operations

3. Simultaneous multiplication and division

4. Analog computation of powers and roots

5. Log ratio computation

6. Antilog computation

7. Square root operation

8. Attenuator overview

9. Characteristics and key specifications for fixed and step attenuators

10. Audio attenuators

11. Forms of amplitude modulation

12. Amplitude modulation and demodulation methods

Circuit Blocks of **Analogue Signal Processing**

1. Reference power supply unit

2. Realtime Analog computational unit

3. Onequadrant multiplication unit

4. Root circuit

5. Power circuit

6. Log ratio operation with thermic compensation

7. Antilog operation with thermic compensation

8. Attenuator

9. Amplitude modulation and demodulation

10. Non inverting summing block

11. Difference amplifier

12. Integrator

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg,Ambala Cantt,Haryana,India. **Phone:** +91-9896600003