

Product Name : Analogue Signal Processing	Product Code : NLAB-ENGINEERINGLB35001
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Description :	
Analogue Signal Processing	
Technical Specification :	
Analogue Signal Processing Lab Equipments Manufacturer, Suppliers & Exporters	
<div><p>Analogue Signal Processing</p><p>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 wave pulse, logarithm, integration, correlation, amplitude modulation and demodulation, variable frequency adder, difference amplifier, integrator and shunt.</p><p>Theoretical Topics of Analogue Signal Processing</p><ol style="list-style-type: none">1. Familiarization with analogue computing technique2. Basic and advanced linear operations</div>	

3. Simultaneous multiplication and division
4. Analog computation of powers and roots
5. Log ratio computation
6. Analog computation
7. Square root operation
8. Integrator overdrive
9. Characteristics and key specifications for feed and step attenuators
10. Auto attenuation
11. Forms of amplitude modulation
12. Amplitude modulation and demodulation methods

Circuit Blocks of Analog Signal Processing

1. Reference power supply unit
2. RealTime Analog computational unit
3. OnOffQuadrant multiplication unit
4. Root circuit
5. Power circuit
6. Log ratio operation with thermic compensation
7. Analog operation with thermic compensation
8. Integrator
9. Amplitude modulation and demodulation
10. Non inverting summing block
11. Difference amplifier
12. Integrator

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