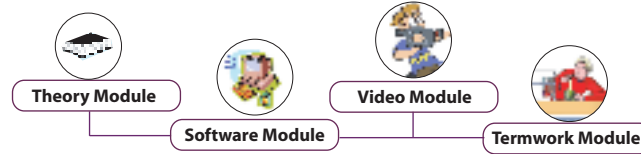


Data Acquisition



Introduces, Global e-Learning System in Education & Training in the form of Learning Resources with Computer Aided Instructions



System Requirement:- IBM-PC Compatible with Window-OS, 128 MB RAM/Multimedia Kit

Theory module

Features : Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Printing facility.

List of Topics

Signal Conditioning Equipments



A.C.Signal Conditioning, D.C. Conditioning, Comparison, Advantages, Disadvantages & Applications

Operational Amplifier

Ideal Operational Amplifier, Non-Inverting Mode , Inverting Mode , Operational Amplifier Characteristics, Inverter, Adder, Subtractor, Integrator, Diffentiator, Active Rectifiers, Comparators.



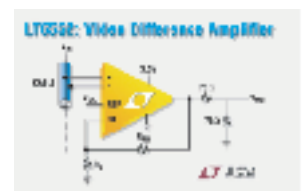
Converter



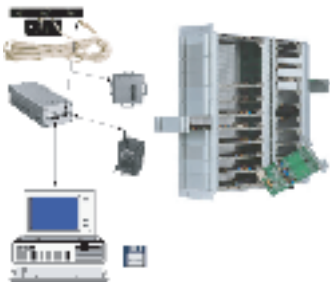
Logarithmic Converter, Current to Voltage & Voltage to Current Converter, Analog / Digital Conversion Techniques, Resolution & Quantization, Aperture Time, Sampling, General Considerations of A/D and D/A Conversion, Digital to Analog (D/A) Conversion, D/A Converter, Analog to Digital (D/A) Digital (D/A) Conversion Techniques: Potentiometric A/D Converter, Voltage to Time A/D Converter (Ram Type), Voltage to Frequency Converter (Integrating Type),Dual Slope Integration A/D Converter.

Instrumentation amplifier

Buffer Amplifier, Differential Amplifier - Common Mode Signal, Advantages of Differential Amplifier, Instrumentation Amplifier, Instrumentation Amplifier Using Three Operational Amplifier & Instrumentation.



Data Processors



Necessity of Data Processing in Instrumentation, Signal Conditioning in Das, Radiometric Conversion, Logarithmic Comparison, Block Diagram of Explanation of Das, Signal Channel, Multichannel, Concept of Modular Das, Block Diagram, Explanation & Characteristic of Data Logger, Comparison of Das & Data Logger.

Branch offices